PROCEEDINGS

OF THE

MADRAS GOVERNMENT

IN THE

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH,

FOR THE

MONTH OF AUGUST 1900.

Printed by Authority.

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1900.

INDEX.

PUBLIC WORKS DEPARTMENT

(IRRIGATION),

FOR THE MONTH OF AUGUST 1900.

ACCOUNTS.

Objectionable Items.—Orders on the statement of —, III Circle, March 1900. **August 4, No. 643 (B)**

——— Orders on the statement of —, IV Circle, March 1900. **August 6, No. 650 (B)**

——— Orders on the statement of —, VI Circle, supplemental, March 1900. **August 20, No. 690 (B)**

——— Orders on the statement of —, V Circle, supplemental, March 1900. **August 20, No. 694 (B)**

——— Orders on the statement of —, IV Circle, April 1900. **August 21, No. 696 (B)**

——— Orders on the statement of —, V Circle, April 1900. **August 21, No. 702 (B)**

——— Orders on the statement of —, VI Circle, April 1900. **August 31, No. 731 (B)**

——— Orders on the statement of —, I Circle, supplemental, March 1900. **August 31, No. 729 (B)**

——— Orders on the statement of —, III Circle, April 1900. **August 30, No. 730 (B)**

——— Orders on the statement of —, I Circle, April 1900. **August 29, No. 723 (B)**

ANICUTS.

South Arcot. Tiruvandipuram Anicut.—Orders waiving the unrealised portion of the contribution towards the maintenance of the —. **August 9, No. 657 (B)**

Munagapaka and Chintamani Calingulahs.—Improvements of the —, sanctioned. **August 15, No. 681 (B)**

BOATS AND FERRIES.

Boats.—Estimate for constructing three — to replace the existing boats in the Gódávari Eastern Delta, sanctioned. **August 16, No. 682 (A)**

Ballacuts.—Estimate for renewing two iron ferry — in the Gódávari Eastern Delta, sanctioned. **August 16, No. 684 (A)**

BRIDGES.

Mukteswaram Local Fund Bridge, Rajahmundry.—Directing that the cost of constructing masonry steps on either side of the — be met from union funds. **August 1, No. 634 (A)**

Buckingham Canal, Madras. Basin of the —. Estimate for protecting with copper sheathing the bottom and sides of the wooden punt at the —, sanctioned. **August 21, No. 697 (A)**

CANALS AND CHANNELS.

Arcot, South. Boothangudi Channel.—Estimate for the diversion of the — and of the adjoining road, sanctioned. **August 6, No. 652 (A)**

Coimbatore. Channels in the —. Sanctioning estimate for repairs to certain —. **August 16, No. 687 (B)**

Gódávari. Bank Canal, Gódávari Eastern Delta.—Estimate sanctioned for the diversion of the —. **August 7, No. 654 (A)**

Gódávari. Bank Canal at Kommalli, Gódávari Eastern Division.—Estimate for the diversion of the —, sanctioned by the Government of India. **August 23, No. 710 (A)**

Kistna District. Nakkala Codu, Kistna Delta System.—Government of India reply to the extension of the —, communicated to officers concerned. **August 23, No.704 (A)**

Kistna Eastern Delta. Polraz Canal.—Notifying that the siding basin at Madanahalli on — be declared to be a wharf. **August 23, No. 706 (A)**

Kistna Eastern Delta. Salt Factory canal at Pandraka.—Estimate for excavating right and left side channels to the —, sanctioned and a copy of the proceedings forwarded to the Government of India. **August 13, Nos. 665–66 (A)**

Kurnool District. Kurnool-Cuddapah Canal.—Orders regarding the scheme of putting the — and the Southern Mahratta Railway in closer contact at Nandyal by means of a wharf and a railway siding. **August 14, No. 674 (B)**

Presidency. Junction Canal. Cooum end of the —. Estimate for a lock with lift gates at the —, sanctioned and a copy of the proceedings forwarded to the Government of India. **August 3, Nos. 637–38 (A)**

DRAINS.

Perali Drain in the Kistna Western Delta.—Note by the Chief Engineer for Irrigation on the construction of a railway bridge over —, communicated to officers concerned and to Government of India. **August 30, Nos. 725–26 (A)**

EXPENDITURE.

Lower Coleroon Anicut System.—Examiner authorised to pass the excess outlay over the grant for — under "Capital Account." **August 14, No. 677 (B)**

Tanjore Division. Excess expenditure on the —. Examiner authorised to pass the —. **August 21, No.701 (B)**

FUNDS.

Funds.—Telegram to the Government of India for additional — under "49" required for sanctioned works, Cauvery Delta system. **August 2, Nos. $\frac{635}{A}$ and $\frac{635}{B}$**

Government of India sanction the additional grant. **August 14, No. 678 (B)**

Funds.—Proceedings, Financial Department, authorising the Accountant-General to place at the disposal of the Public Works Department a sum of Rs. 450 for the Coimbatore district under 45. Civil Works, Repairs, communicated to officers concerned. **August 31, No. 727 (B)**

FUNDS, TRANSFER OF—.

Funds.—Sanctioning certain transfer of — under 43. Minor Works and Navigation, South Arcot division. **August 4, No. 640 (B)**

——— Sanctioning certain transfer of — under 43. Minor Works and Navigation, III Circle. **August 11, No. 662 (B)**

——— Sanctioning certain transfer of — under 43. Minor Works and Navigation, Tinnevelly division. **August 23, No. 705 (B)**

——— Sanctioning certain transfer of — under 43. Minor Works and Navigation, IV Circle. **August 31, No. 728 (B)**

IRRIGATION WORKS.

Gódávari. Gódávari Delta. Spouts in the—. Orders directing that — placed in the banks of the distributary channels for drawing off water to the fields should not be registered in the names of the ryots. **August 4, No. 642 (B)**

IRRIGATION WORKS—*cont.*

Tanjore. Works in connection with the Cauvery Delta System.—Letter from the Government of India requesting that no expenditure may be incurred on additional — without the sanction of the Government of India where necessary, communicated to the officers concerned, with remarks. **August 31, No. 739 (B)**

IRRIGATION WORKS—GENERAL.

Minor Irrigation Works.—Reviewing statement showing expenditure on—for the quarter ending 30th June 1900. **August 20, No. 693 (B)**

——— Report on the expenditure on the upkeep of — during 1899–1900. **August 9, No. 656 (B)**

JUDICIAL DEPARTMENT.

Suit.—Sanctioning defence of the — for the recovery of damages for the loss of certain plantain trees at Vizagapatam. **August 1, No. 635 (B)**

River Conservancy Act VI of 1884.—Amendment of sections 17 and 11 of the —. **August 11, No. 661 (B)**

LANDS.

Land. Temporary occupation of — required for raising the Vasista Gódávari right bank, Gódávari district.—Report from Superintending Engineer, I Circle, stating that 43 cents of land have been occupied instead of 20 cents in field No. 412, communicated to the Collector. **August 14, No. 673 (B)**

Letter from the Collector of Gódávari stating that there is no necessity to make any corrections in the above land notification, communicated to the Superintending Engineer, I Circle. **August 31, No. 734 (B)**

Land.—Notification for — required for the diversion of the Talagam branch channel, Vizagapatam district. **August 3, No. 636 (B)**

——— Notification for — required for excavating a new head to the Chilakalmaddikathi channel, Vizagapapatam district. **August 4, No. 639 (B)**

——— Notification for — required for the repairs of the channel banks of the Gopalapalli branch channel, Nellore district. **August 6, No. 645 (B)**

——— Notification for — required for the excavation of the Ambapura channel, Ganjám district. **August 6, No. 646 (B)**

——— Notification for — required for the diversion of Garubulagedda channel, Ganjám division. **August 6, No. 647 (B)**

——— Notification for — required for diverting Gowtama right bank to the main canal bank, Gódávari district. **August 6, No. 648 (B)**

——— Notification for — required for constructing Mukkondan dam, north main channel, South Arcot district. **August 6, No. 649 (B)**

——— Notification for — required for the surplus water course of Manalur channel, Tinnevelly district. **August 11, No. 659 (B)**

——— Notification for — required for extending the bund of Manalur tank, Tinnevelly district. **August 11, No. 660 (B)**

——— Notification for — required for Ipur branch channel, Kistna district. **August 13, No. 667 (B)**

——— Notification for — required for excavating Vundar Punta channel, Gódávari district. **August 13, No. 668 (B)**

——— Notification for — required for repairs to Pekeru channel, Gódávari district. **August 13, No. 669 (B)**

——— Notification for — required for extending Vundar Punta channel, Gódávari district. **August 14, No. 670 (B)**

——— Notification for — required for excavating a channel in the Poondy village, North Arcot district. **August 14, No. 671 (B)**

——— Notification for — required for excavating the Porumamilla tank supply channel, Sagiler project, Cuddapah district. **August 14, No. 672 (B)**

LANDS—*cont.*

Land.—Notification for — required for the first Super-passage, XI reach, Periyár main channel, Madura district. **August 14, No. 676 (B)**

——— Notification for — required for Appapuram side channel, Gudiváda taluk, Kistna district. **August 16, No. 683 (B)**

——— Notification for — required for raising the right bank of the Kistna river, Guntúr taluk, Kistna district. **August 20, No. 695 (B)**
August 21, No. 698 (B)
August 21, No. 699 (B)

——— Notification for — required for the right flood bank of Thiruvendipuram anicut, Cudalore taluk, South Arcot district. **August 20, No. 691 (B)**

——— Notification for — required for spoil bank at drainage outfall sluice aqueduct canal surplus at $4\frac{3}{4}$ miles, Bank canal, Amalapur taluk, Gódávari district. **August 21, No. 700 (B)**

——— Orders for the temporary occupation of the — required for improvements to the Vriddachalam anicut, South Arcot district. **August 28, No. 718 (B)**

Land required for the Periyár project.—Withdrawing from the acquisition of —. **August 23, No. 709 (B)**

Land.—Notification for — required for Brahmana Shayi of Bhapore, Berhampur taluk, Ganjám district. **August 27, No. 712 (B)**

——— Notification for — required for the diversion of the old Coleroon, Chidambaram taluk, South Arcot district. **August 24, No. 711 (B)**

——— Notification for — required for repairing Inapuram channel, Amalapur taluk, Gódávari district. **August 27, No. 713 (B)**

——— Notification for — required for diverting Gowtami right bank on to main canal bank, Amalapur taluk, Gódávari district. **August 27, No. 714 (B)**

——— Notification for — required for improving the Vriddhachalam anicut, South Arcot district. **August 28, No. 720 (B)**

——— Notification for — required for excavating Komallapudi drain, Bandar taluk, Kistna district. **August 30, No. 724 (B)**

——— Notification for — required for new Allavaram aqueduct, Amalapur taluk, Gódávari district. **August 31, No. 735 (B)**
August 31, No. 737 (B)
August 31, No. 738 (B)

——— Notification for — required for closing breaches in Khan Sahib's canal, Chidambaram taluk, South Arcot district. **August 31, No. 736 (B)**

——— Notification for — required for excavating Tsundur left branch, Tungabhadra side channel, Tenali taluk, Kistna district. **August 31, No. 732 (B)**

——— Notification for — required for No. 2 undertunnel proposed to be built in place of the revised aqueduct, Chittigedda drain, Nagarikalakenu channel system, Ganjám district. **August 28, No. 719 (B)**

LOCKS.

Junction Canal. Cooum end of the—. Estimate for a lock with lift gates at the —, sanctioned and a copy of the proceedings forwarded to the Government of India. **August 3, Nos. 637–38 (A)**

MISCELLANEOUS.

Cauvery basin. Rainfall in the—. Resident in Mysore requested to send warnings of very heavy — to the Executive Engineer, Tanjore division. **August 16, Nos. 685–86 (B)**

PROJECTS.

Peranai Anicut, Periyár Project.—Revised estimate for improving and fitting the falling shutters of the grand anicut on the crest of the —, sanctioned and a copy of Proceedings forwarded to the Government of India. **August 23, Nos. 707–708 (A)**

PROJECT—*cont.*

Periyar Project. Chunnambur offtake.—Estimate of Rs. 3,440 for constructing sluices and excavating field channels in —, sanctioned. **August 27, Nos. 715–16 (A)**

Divi Island Pumping Project.—Estimate in connection with the completion of the field investigations for the —, Kistna Eastern division, sanctioned. **August 6, No. 653 (A)**

Duvalair Project.—The — removed from the list of unanswered references of the III Circle. **August 14, No. 675 (B)**

Papanasam Reservoir Project, Tinnevelly District.—The revised estimate for preliminary expenses for investigating the —, sanctioned. **August 28, No. 717 (A)**

Cauvery Irrigation (Confidential).—Regarding the question of further investigation of reservoir schemes relating to —. **August 15, No. 680 (B)**

REPORTS.

Administration Report of the Public Works Department, Irrigation Branch.—Two copies of the —of the Madras Presidency for 1898–99 to the Government of Bengal. **August 28, Nos. 721–22 (B)**

RETURNS AND STATEMENTS.

Statistical Statements No. IV E.—Approving of the alteration of the heading of — in the Administration Report of Irrigation Branch, Public Works Department. **August 8, No. 655 (A)**

RIVERS.

Cauvery falls.—Orders on Proceedings, Revenue Department, regarding —. **August 20, No. 692 (B)**

Cauvery basin. Rainfall in the—. The Resident in Mysore requested to send warnings of very heavy — to the Executive Engineer, Tanjore division. **August 16, Nos. 685–86 (B)**

SHEDS.

Wharf Establishment sheds.—Ordered that a letter be sent to the Government of India stating that the remunerative character of the work of constructing — depends upon the amount of wharf fees collected. **August 18, Nos. 688–89 (A)**

SLUICES.

Tanjore District. Head sluice to the Puvendram channel.—Letter from the Government of India sanctioning the estimate for —. **August 31, No. 733 (A)**

Coimbatore Division. Sluice at the Kalingarayen channel.—The construction of a —, sanctioned. **August 4, No. 641 (B)**

TANKS.

Chingleput District. Serupayarpundy Tank.—Estimate for repairing and improving the —, sanctioned. **August 6, No. 651 (A)**

Cuddapah District. Nallacheruvu of Sarabhu.—The estimate for restoring the —, sanctioned. **August 23, No. 703 (B)**

———*Tanks in the Bhirangi village.*—Orders regarding certain disputes in connection with the diversion of the water-supply to the —. **August 14, No. 679 (B)**

Tinnevelly District. Srivaikuntam anicut system, Kiranur tank.—Estimate for improving the—, sanctioned and a copy of the Proceedings forwarded to the Government of India. **August 13, Nos. 663–64 (A)**

Trichinopoly District. Ogalur tank.—Sanction accorded for the execution of repairs to the —, cancelled. **August 11, No. 658 (B)**

WATER AND WELLS.

Tuticorin water-supply.—Claim on Tuticorin Municipality for payment for — for certain period, withdrawn. **August 4, No. 644 (A)**

VESSELS.

Ballacuts.—Estimate for renewing two iron ferry — in the Gódávari Eastern delta, sanctioned. **August 16, No. 684 (A)**

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

TABLE OF CONTENTS.

IRRIGATION,

FOR THE MONTH OF AUGUST 1900.

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Mukteswaram Local Fund Bridge.—Letter from the President, Taluk Board, Rajahmundry, stating that the cost of constructing masonry steps on either side of the — can be met from Union funds in two years, communicated to the Superintending Engineer, I Circle, for information.	1900. 1st Aug., No. 634 I.	...	......
Funds.—Ordered that a telegram be sent to the Government of India applying for an additional allotment of Rs. 61,100 under "49" required for sanctioned works, Cauvery Delta system.	2nd Aug., No. $\frac{635}{A}$ I.	...	......
Copy of the above Proceedings forwarded to the Government of India.	2nd Aug., No. $\frac{635}{B}$ I.	...	......
Junction canal.—The estimate, amounting to Rs. 32,250, for constructing a lock with lift gates at the Cooum end of the —, sanctioned.	3rd Aug., No. 637 I.	...	......
Copy of the above Proceedings forwarded to the Government of India.	3rd Aug., No. 638 I.	...	......
Tuticorin Water-supply.—Withdrawing the claim on the Tuticorin Municipality for payment for water from the 24th October 1899 to the end of that month.	4th Aug., No. 644 I.	...	......
Serupayarpundy tank, Chingleput District.—The estimate of Rs. 4,570 for repairing and improving the —, sanctioned.	6th Aug., No. 651 I.	...	......

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Boothangudi channel, South Arcot Division.—Estimate of Rs. 4,110 for the diversion of the — and of the adjoining road, sanctioned with remarks.	1900. 6th Aug., No. 652 I.	...	......
Divi Island Pumping Project.—Estimate of Rs. 200 for preliminary expenses in connection with the completion of the field investigations for the —, Kistna Eastern division, sanctioned.	6th Aug., No. 653 I.	...	......
Bank Canal, Góddávari Eastern Delta.—Letter from the Government of India sanctioning the estimate of Rs. 14,250 for the diversion of the —, communicated to the officers concerned with remarks.	7th Aug., No. 654 I.	...	......
Statistical Statement IV-E.—Letter from the Government of India approving of the alteration of the heading of — in the Administration Report of the Irrigation Branch, Public Works Department, communicated to the officers concerned.	8th Aug., No. 655 I.	...	8th June 1900, Nos. 513–514 I. 18th Jan. 1900, No. 49 I. & file.
River Conservancy Act (*VI of* 1884).—Stating that Government is not prepared to amend sections Nos. 17 and 11 of the — on the ground that the former does not entail such a serious amount of unnecessary labour as to justify an alteration of the law while the latter would involve a large quantity of scriptory work and numerous claims for compensation.	11th Aug., No. 661 I.	...	15th May 1885, No. 1154 W.
Kiranur Tank.—The estimate of Rs. 3,940 for improving the —, Srívaikuntam anicut system, Tinnevelly division, sanctioned.	13th Aug., No. 663 I.	...	......
Kiranur Tank.—Forwarding to the Government of India copy of Proceedings sanctioning the estimate of Rs. 3,940 for improving the —, Srívaikuntam anicut system, Tinnevelly division.	13th Aug., No. 664 I.	...	......
Salt Factory Canal at Pandraka, Kistna Eastern Delta.—The estimate of Rs. 1,250 for excavating right and left side channels to the —, sanctioned.	13th Aug., No. 665 I.	...	......
Salt Factory Canal at Pandraka, Kistna Eastern Delta.—Forwarding to the Govern- copy of Proceedings sanctioning the estimate of Rs. 1,250 for excavating right and left side channels to the —.	13th Aug., No. 666 I.	...	......

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Boats.—The estimate of Rs. 3,150 for the construction of three second-class staff — to replace the unserviceable — in the Gódávari Eastern delta, sanctioned.	1900. 16th Aug., No. 682 I.	...	......
Ballacuts.—The estimate of Rs. 1,370 for renewing two condemned first-class iron ferry — in the Gódávari Eastern delta, sanctioned.	16th Aug., No. 684 I.	...	......
Wharf Establishment sheds.—Ordered that a letter be sent to the Government of India stating, with remarks, that the remunerative character of the work of constructing — depends upon the amount of wharf fees collected.	18th Aug., No. 688 I.	...	......
Letter to the Government of India.	18th Aug., No. 689 I.	...	......
Punt at the Madras Basin, Buckingham Canal.—The estimate, amounting to Rs. 1,070, for protecting, with copper sheathing, the bottom and sides, up to the water level, of the wooden — from the ravages of Marine borers, sanctioned.	21st Aug., No. 697 I.	...	......
Nakkala codu, Kistna Eastern delta.—Letter from the Government of India requesting the submission of a report indicating the remunerative character of the work of extending —, communicated to the officers concerned, with remark.	23rd Aug., No. 704 I.	...	10th July 1900, Nos. 590-591 I.
Wharf—Ordered that a notification be published in the Fort St. George and Kistna District Gazettes declaring the siding basin at Madanapalle, Kistna Eastern delta, to be a — where wharfage and drainage fees will, in future, be levied.	23rd Aug., No. 706 I.	...	26th Oct., 1899, No. 927 I. 26th June 1900, No. 1707 I.
Peranai Anicut, Periyár Project.—The revised estimate of Rs. 10,900 for improving the —, and for fitting it with the falling shutters of the Grand anicut, Cauvery Delta system, sanctioned, and copy of Proceedings ordered to be forwarded to the Government of India.	23rd Aug., No. 707 I.	...	} 25th Jan. 1900, Nos. 85-86 I.
Peranai Anicut, Periyár Project.—Copy of Proceedings forwarded to the Government of India.	23rd Aug., No. 708 I.	...	}
Bank Canal at Kommalli, Gódávari Eastern division.—Letter from the Government of India sanctioning the estimate, amounting to Rs. 17,350, for the diversion of the —, communicated to the officers concerned.	23rd Aug., No. 710 I.	...	......

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Chunnambur offtake, Periyár Project.—The estimate, amounting to Rs. 3,4440, for constructing sluices and excavating field channels in —, sanctioned, and a copy of the Proceedings ordered to be forwarded to the Government of India.	1900. 27th Aug., No. 715 I.	...	......
Copy forwarded	27th Aug., No. 716 I.	...	......
Papanasam Reservoir Project, Tinnevelly District.—The revised estimate of Rs. 3,900 for preliminary expenses for investigation of the —, sanctioned.	28th Aug., No. 717 I.	...	......
Perali drain in the Kistna Western delta.—Communicating to the officers concerned, with remarks, note by the Chief Engineer for Irrigation, on the sanction accorded by the Government of India to the estimate of Rs. 30,100 for constructing a railway bridge over the —, and ordering that a copy of the Proceedings be forwarded to the Government of India.	30th Aug., No. 725 I.	...	8th July 1898, No. 520 I. 16th July 1897, No. 657 I.
Copy of the above Proceedings forwarded.	30th Aug., No. 726 I.	...	......
Headsluice to Purendram channel, Cauvery section.—Letter from the Government of India sanctioning an estimate, amounting to Rs. 3,240, for constructing a new — and suggesting that the amount be charged to the Revenue account of the Cauvery delta system, communicated to the officers concerned, with remarks.	31st Aug., No. 733 I.	...	21st June 1900, Nos. 542–43 I.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. } *Spare copies*

G.O., No. 634 I., 1st August 1900.

AUGUST.

Mukteswaram Local Fund Bridge

Letter from the President, Taluk Board, Rajahmundry, stating that the cost of constructing masonry steps on either side of the — can be met from Union funds in two years, communicated to the Superintending Engineer, I Circle, for information.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers:—

From W. C. DeMORGAN, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Waltair, 13th December 1899, No. 2562 G.C.

I have the honour to bring to your notice that the Chairman, major union at Amalápuram, requests permission to make two gravel ramps on either side of the Mukteswaram Local Fund bridge which spans the Amalápuram canal at 31 miles 40 chains. These ramps are intended to serve as watering places in view to afford facility to the people to fetch drinking-water from the canal.

The Executive Engineer of the division states that there is no objection to the proposed gravel ramps except that there is not much room for them, and for this reason, he proposes a flight of masonry steps on either side of the bridge in lieu of the ramps; but as the Chairman pleads want of funds, the Executive Engineer desires to know whether the funds at the disposal of the Public Works Department may be employed for the construction of the steps at places where they are necessary for various reasons.

There are several places in the three deltas of the Gódávari, where steps have been built on canal and channel banks, but the sources from which they were built cannot now be traced except in one case, sanctioned in G.O., No. $\frac{334}{A}$ I. of 31st March 1897.

There are a number of places where steps would be of great convenience and a few where they are actually indispensible for public safety.

As the question of construction of steps in canals and channels and drains appear to have never been raised before, and in the absence of any ruling on the subject, I have the honour to request orders as to whether such steps, where considered necessary in public interests, may be constructed from State funds.

No. 1. W.

Forwarded to the Secretary to Government, Local and Municipal Department, for favour of remarks. The undersigned considers that the union should pay for the steps as in the case of the Bezwada bathing ghât, the cost of which was met from Municipal Funds—*vide* G.O., No. 257 I., dated 20th March 1894.

9th January 1900.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

No. 81, Local and Municipal.

Returned to the Public Works Department with the remark that if the steps proposed to be constructed are intended for the benefit of the people living in the Amalápuram union, the cost of constructing them is properly debitable to Union funds with the consent of the Taluk Board. If the Public Works Department will state the probable cost of the work, the Taluk Board which has supervision over the union will be asked whether it consents and can find the required funds.

(Signed) H. TREMENHEERE,
Secretary to Government.

26th January 1900.

No. I./7 G.D.

Referred in original to the Superintending Engineer, I Circle, for report.

(Signed) F. J. WILSON,
Under Secy. to Government, P.W.D.,
Irrigation Branch.

2nd February 1900.

From W. C. DeMORGAN, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Waltair, 22nd February 1900, No. 354 G.C.

With reference to your I./7 G.D. of 2nd February 1900 (herewith returned), I have the honour to inform you that the cost of a set of steps of selected rough stone, 15 feet wide with side walls, laid on a slope of concrete, would be about Rs. 360.

No. 8 W.

Forwarded to the Local and Municipal Department.

(Signed) F. J. WILSON,
Under Secy. to Government, P.W.D.,
Irrigation Branch.

27th February 1900.

Ref. No. 280, Local and Municipal.

Referred to the Rajahmundry Taluk Board for early report.

(By order.)

(Signed) R. W. D'E. ASHE.
Ag. Assistant Secretary.

9th March 1900.

From A. R. CUMMING, Esq., President, Taluk Board, Rajahmundry, to the Secretary to Government, Local and Municipal Department (through the President, District Board, Gódávari), dated 28th May 1900, D. Dis. No. 499.

With reference to your N. Ref. on Cur. No. 280 of 9th March 1900 (herewith returned), I have the honour to state that the Chairman, Amalápuram union panchayet, reports that the cost of constructing masonry steps on either side of the Mukteswaram Local Fund bridge can be met from Union funds in two years—half from the current year's allotment and the other half from the next year's allotment.

N. Dis. on Cur. No. 1093 D.B.

Submitted.

Cocanada,
13th June 1900.

(Signed) A. E. CASTLESTUART STUART,
President, District Board, Gódávari.

No. 672, Local and Municipal.

Transferred to the Public Works (Irrigation) Department, with reference to Mr. Wilson's endorsement of the 27th February last, No. 8 W.

7th July 1900.

(Signed) A. T. PRINGLE,
Assistant Secretary.

Order—No. 634 I., dated 1st August 1900.

Communicated to the Superintending Engineer, I Circle, for information and guidance.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Superintending Engineer, I Circle.
„ the Chief Engineer for Irrigation.
„ other Superintending Engineers.
„ the Examiner, Public Works Accounts.
„ the Local and Municipal Department.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. *Spare copies*

G.O., Nos. $\frac{635}{A}$, $\frac{635}{B}$ I., 2nd August 1900.

AUGUST.

Funds

Forwarding copy of Proceedings requesting sanction to the grant of an additional allotment of Rs. 61,100 under "49" required for sanctioned works, Cauvery delta system.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

No. 253 E.I.

Application for modification of existing grants under Irrigation for the year 1900–1901, V Circle.

Item No.	Division.	Works.	Amount of estimate.	Original grant.	Existing grant.	Modification proposed. Decrease.	Modification proposed. Increase.	Revised grant.	Remarks.
		49. IRRIGATION.	RS.	RS.	RS.	RS.	RS.	RS.	
		CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.							
		Cauvery Delta System.							
1	Tanjore ..	Remodelling the Upper Coleroon anicut.	5,34,000	1,00,000	1,47,000	..	33,000	1,80,000	The additional grant is absolutely required to meet liabilities detailed below :— Estimated Workshop charges .. RS. 1,25,000 Work to be done in the division. 55,000 Total .. 1,80,000
2	Do. ..	Constructing Puthar-Vellappar regulator.	12,600	6,000	6,000	..	2,000	8,000	} The additional grants applied for are required for the completion of the works during the current official year. Time fixed for completion expires on 31st March 1901.
3	Do. ..	Constructing Puthar-Solasudamaniar regulator.	17,300	6,000	6,000	..	5,000	11,000	}
4	Do. ..	Conversion of the Cauvery-Kodamurty dam into a regulator.	1,00,000 }						
5	Do. ..	Improvements to the Arasalar-Nattar regulator.	21,120 }	} 50,000	50,0000	..	33,000	83,000	This additional grant is absolutely required as per details given below :— Estimated Workshop charges .. RS. 50,000 Divisional expenditure for— Item 4 = RS. 18,000 } ,, 5 = 5,000 } RS. 33,000 ,, 6 = 10,000 } Total .. 83,000
6	Do. ..	Constructing Cauvery-Veerasholan regulator.	39,650 }						

Submitted to the Chief Engineer for Irrigation, with request that he will be so good as to obtain the sanction of Government to the modifications herein applied for.

Chepâk, 17th July 1900.

(Signed) A. W. SMART, Colonel, R.E., Supg. Engineer, V Circle.

Memorandum to the Superintending Engineer, V Circle, dated 19th July 1900, No. V./69 T.J.

With reference to application No. 253 E.I., dated 17th instant, from the Superintending Engineer, V Circle, the undersigned has the honour to request that he will be so good as to report at an early date, whether the amounts, aggregating Rs. 23,300, provided for items 193 to 197 in Part II of the Final Issue of the current year's Budget estimates for Major works, for which estimates have not yet been submitted for sanction, can be diverted to meet a portion of the demand now made for additional funds.

From Colonel A. W. SMART, R.E., Superintending Engineer, V Circle, to the Chief Engineer for Irrigation, dated Chepâk, 23rd July 1900, No. 265 E.I.

With reference to your No. V./69 T.J., dated 19th July 1900, I have the honour to state that the sum of Rs. 23,300 may be diverted, as the works for which the money was provided are not of an urgent nature and should not, in my opinion (save Pamanyaur bridge on road No. 18), take priority of other more important works. The plan and estimate for the bridge will be submitted at an early date.

No. 160 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, V Circle, applies for an additional grant for the current year of Rs. 89,790 * under "49. Capital expenditure not charged to Revenue" for the Cauvery delta system, Rs. 40,590 * being required for the work—"remodelling the Upper Coleroon anicut"—for which it was stated, in the programme approved in G.O., No. 577 I., dated 5th July 1900, that an additional allotment will be applied for later on. Rs. 23,300, or Rs. 28,659 including establishment charge, provided in the final issue of the current year's budget estimates for "Major works" for certain unsanctioned works † of that system can be diverted to meet a part of this demand as the works for which it was provided are reported not to be of an urgent nature. Under this office circular No. 30 G., dated 27th August 1894, this amount may be reappropriated by the Superintending Engineer himself to meet a part of the demand. It is recommended that the Government of India may be requested to sanction an additional assignment of, say, Rs. 61,100 ‡ to meet the balance of the demand. The usual application is appended.

* Including establishment charge.

† *Vide* items 193 to 197 in Part II.

	RS.
‡ Works	49,675
Establishment	11,425
Total ...	61,100

1st August 1900.

(Signed) W. HUGHES, Chief Engineer for Irrigation.

ENCLOSURE.

STATEMENT to accompany application for an additional grant of Rs. 61,100 under "49. Capital Expenditure not charged to Revenue" for the Cauvery Delta System.

Amount of expenditure in the year for which sanction is asked.	Major and minor heads under which expenditure will fall with the amounts of sanctioned grants under each.	Probable expenditure in the whole year under the grants mentioned in colum 2 if the expenditure in column 1 is sanctioned.	Major and minor heads under which it is proposed to reduce the grants with the sanctioned grants under each.	Probable expenditure in the year under the heads mentioned in column 4.	Amounts by which it is proposed to reduce the grants under the heads mentioned in column 4.	Explanation if no reappropriation is considered possible; in such cases, the urgency and necessity for the outlay must also be explained.
1	2	3	4	5	6	7
RS.		RS.				
61,100	"49. Capital expenditure not charged to Revenue", Cauvery Delta system—Existing grant. RS. 2,98,810	3,59,910	..	..	..	Required for expenditure on the work "Remodelling the Upper Coleroon anicut" and on other sanctioned works. In the programme approved in G.O., No. 577 I., dated 5th July 1900, it has already been reported that an additional grant will be applied for later on for the former work.

ORDER—No. $\frac{635}{A}$ I., dated 2nd August 1900.

The following ordinary telegram will be sent :—

To the Secretary to the Government of India, Public Works Department, Irrigation, Roads and Buildings.

No. 1. "Additional allotment Rs. 61,100 under '49' required for sanctioned works Cauvery delta system. Please wire sanction. Usual application follows."

2. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. $\frac{635}{B}$ I., dated 2nd August 1900.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, V Circle.
" Examiner of Public Works Accounts.

ENDORSEMENT—No. $\frac{635}{B}$ I., dated 2nd August 1900.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd.	1900.	*Enclosures*
Regd.		*Spare copies*

G.O., Nos. 637, 638 I., 3rd August 1900.

AUGUST.

Junction Canal

Forwarding copy of Proceedings sanctioning the estimate of Rs. 32,250 for constructing a lock with lift gates at the Cooum end of the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

G.O., No. 1563 W., dated 12th June 1900.

No. 151 I.

Note by the Chief Engineer for Irrigation.

The accompanying estimate, amounting to Rs. 26,200, for constructing a lock with lift gates at the Cooum end of the Junction canal, is submitted for the sanction of Government in accordance with the Government Order read above.

14th July 1900.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

Order—No. 637 I., dated 3rd August 1900.

The following estimate is sanctioned :—

Provincial.
Irrigation.
43. Minor Works and Navigation.
Class II—Minor Works and Navigation for which Capital and Revenue Accounts are kept.
Buckingham Canal.
Open Capital Account.
Southern Section.
Chingleput Division.
I. Works.
2. Main Canals and Branches.
9. Navigation Works.
Constructing a lock with lift gates at the Cooum end of the Junction canal.

Estimate—	RS.
I. Works ...	26,200
II. Establishment ...	6,026
III. Tools and plant ...	24
Total ...	32,250

2. This sanction is registered as No. 68 I. of 1900-1901, and will expire on the 31st March 1902.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 638 I., dated 3rd August 1900.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, V Circle, with plan and estimate.
" Examiner of Public Works Accounts.

ENDORSEMENT—No. 638 I., dated 3rd August 1900.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. *Spare copies*

G.O., No. 644 I., 4th August 1900.

AUGUST.

Tuticorin Water-supply

Withdrawing the claim on the Tuticorin Municipality for payment for water from the 24th October 1899 to the end of that month.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From M.R.Ry. S. VEDAMURTHI MUDALIAR Avargal, Secretary, Municipal Council, Tuticorin, to the Secretary to Government, Local and Municipal Department (through the Sub-Collector of Tinnevelly), dated 25th January 1900, No. 36.

I beg to enclose a copy of the resolution passed by the Council in their meeting held on Friday the 19th instant, and request you will be so good as to obtain the decision of Government on the subject.

2. You are aware that this town is supplied with water from the Korampallam tank, delivered through an open sandy channel, 4 miles long, into a reservoir to the west of the town.

3. There was a heavy rain of 5·54 inches, and the channel breached in thirty-seven places on the 23rd October last, cutting off the water-supply to the town. The bunds were repaired and water reached the reservoir only on the 13th of the following month.

4. The Executive Engineer of the Tinnevelly division forwarded a bill for water-charge from the 20th to 31st October, which the Chairman declined to pay, as the channel breached and the town was not supplied with water during the period mentioned in the bill (*vide* copy of this office letter, No. 372, dated 16th November last). But the Executive Engineer, while admitting the breach and non-supply of water from the tank, demands payment of the bill on the ground that the Municipality is still liable for payment of water-charge, so long as there has been water available in the reservoir (*vide* copy of his endorsement No. 4497, dated 4th December last).

5. In this connection, I beg to invite your attention to the impropriety of the demand of the Public Works Department, and to inform you that the said reservoir is only a circular well of 62 feet in diameter and 6½ feet in height capable of holding 19,631 cubic feet of water in all, with a sill level in it at 2 feet above the level of the floor for the purpose of diverting water into the several dipping wells in the town. The only quantity of water which is, therefore, available for supply is the water above the said vent, viz., 13,591 cubic feet, or 84,944 gallons of water, which is barely sufficient for a day's consumption for a population of, say, 40,000 calculated at 15 gallons per head per diem. The Council are of opinion that the demand is not consistent with any principle and have resolved to address Government on the subject for orders.

ENCLOSURES.

From the Chairman, Municipal Council, Tuticorin, to the Executive Engineer, Tinnevelly Division, dated Tuticorin, 16th November 1899, No. 372.

With reference to your letter, No. 4250, dated 13th November 1899, I have the honour to inform you that the fresh water-supply channel breached on the 23rd October last as reported to you in this office letter, No. 358, dated the 31st idem, and was not, till to-day, completely closed; ring bunds have been placed in front of the breaches and water reached the town only on the 13th instant. I may here add that the municipal coolies were also engaged in closing the breaches and strengthening the ring bunds.

Under the above circumstances, I cannot see how you can claim payment for the days the town was not supplied with water, viz., from the 23rd October last to 12th instant. The bill is therefore herewith returned for amendment.

Chairman, Tuticorin Municipality. *Dr.*

	RS. A. P.
To water supplied to the Tuticorin Municipality at Rs. 85–5–4 for a month of 30 days; Rs. 88–2–10 for a month of 31 days and Rs. 79–12–4 for a month of 28 days— 20th to 31st October = 12 days ...	34 2 0

(Signed) A. NILAKANTA SASTRIAR,
Sub-Divisional Officer.

7th November 1899.

From the Sub-divisional Officer, Srivaikuntam, to the Executive Engineer, Tinnevelly Division, dated 29th November 1899, No. 656.

With reference to your endorsement, No. 4352 of 17th November 1899, herewith returned, I have the honour to inform you that bill for water-supply to Tuticorin municipality is prepared for the number of days water is available in the municipal reservoir at Tuticorin, for we charge nothing till water reaches the reservoir from Korampallam tank. On this principle, even though there was breach in the fresh water channel on the 23rd October, so long there was water in the municipal reservoir available for the supply of the town, the Municipality is bound to pay the tax. On this principle the bill was prepared.

North main channel superintendent's No. 305 of 25th November 1899, stating that the municipal coolies did not assist in putting up ring bund, etc., is herewith enclosed for your information.

No. 4497.

Forwarded to the Chairman, Municipal Council, Tuticorin, for information with reference to his No. 372, dated 16th November 1899.

2. Under the circumstances now brought to notice by the Sub-divisional officer, the undersigned considers that the tax is but reasonable.

3. The Chairman's attention is invited to the concluding portion of the Sub-divisional officer's letter regarding assistance rendered by the municipal coolies in strengthening ring bunds, etc.

(Signed) S. GOPALAKRISHNA AIYAR,
Executive Engineer, Tinnevelly Divn.

4th December 1899.

EXTRACT from the Proceedings of the Municipal Council, Tuticorin, at a meeting held in their office on Friday the 19th January 1900, at 5-30 P.M., No. 15.

Read letter from the Executive Engineer, Tinnevelly Division, No. 4497, dated 4th December 1899, in connection with a bill for Rs. 34–2–0 for water from the 20th to 31st October 1899.

Resolution—Resolved that the Chairman be requested to address Government on the matter.

Mis. Cur. No. 366.

Submitted.

The matter concerns the Public Works Department only.

(Signed) LIONEL VIBERT,
Sub-Collector.

11th February 1900.

Endorsement of J. P. BEDFORD, Esq., Acting Collector of Tinnevelly, dated 13th May 1900.

Forwarded.

2. The Executive Engineer informs me that the town did actually get a supply of water during the whole of last October. A copy of the Executive Engineer's letter is enclosed for reference. I think that, in these circumstances, the bill should be paid.

ENCLOSURE.

From the Executive Engineer, Tinnevelly Division, to the Collector of Tinnevelly, dated 12th April 1900, No. 1344.

With reference to your No. 294, dated 6th April 1900, I have the honour to inform you that though there were breaches in the channel bank and the municipal reservoir is small, still a very large quantity of water had collected in the channel and its side pits by the breach made in the tank bund across the natural byewash. The water thus collected was replenishing the reservoir as the water in it was being drawn for the supply of the town and thus the town got the tank water-supply to the end of the month.

2. In the month of February 1899, there were similar breaches in the channel and the Sub-divisional officer sent in a bill for supply of water during the month excluding the days 9th to 14th, both days inclusive, during which the breaches remained unclosed. But as I personally saw that the town was getting its proper supply during those days too, I returned the bill and asked the Sub-divisional officer to submit it for the whole month. He accordingly did and the Chairman of the Municipality did accept the charge for the whole month without objection. I see no reason why he should object now. But if he is prepared to say that the town did not get any supply from the reservoir from the 23rd to the end of the month, I am willing to withdraw the claim.

3. No claim was made for water-supply from 1st to 10th November as there was no supply available in the channel.

No. 544, Local and Municipal.

Transferred to the Public Works Department.

(Signed) A. T. PRINGLE,
Assistant Secretary.

31st May 1900.

No. VI/17 T.N.

Referred in original to the Superintending Engineer, VI Circle, for report.

(Signed) W. HUGHES,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

14th June 1900.

From Colonel O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 12th July 1900, No. 486 T.N.

With reference to your endorsement, No. VI./17 T. N., dated 14th June 1900, herewith returned, I have the honour to say that, after the breaches occurred, but very little water could have flown to the reservoir and it is reported that, from the 24th October, there was no supply to the town from the reservoir.

2. I therefore consider that no charge should be made for water from the 24th October to the end of the month.

ORDER—No. 644 I., dated 4th August 1900.

In the circumstances reported by the Superintending Engineer, VI Circle, the claim on the Tuticorin Municipality for payment for water from the 24th October 1899 to the end of that month will be withdrawn.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
,, Superintending Engineer, VI Circle.
,, Examiner, Public Works Accounts.
,, Local and Municipal Department.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. *Spare copies*

G.O., No. 651 I., 6th August 1900.

AUGUST.

Serupayarpundy Tank, Chingleput District

The estimate of Rs. 4,570 for repairing and improving the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From the Superintending Engineer, V Circle, dated 4th July 1900, No. 242 E.I.

Enclosure.

Report to accompany the estimate for repairing and improving the Serupayarpundy tank, Minor Works, Public Works Department, No. 685.

	RS.
Amount of estimate—	
Original	3,200
Repairs	1,320
Total ...	4,520

Situation.—This is an Imperial rainfed tank and railway-affecting one, situated 4 miles west of South Indian Railway, and 14 miles south-west of Madurántakam, the head-quarters of the taluk, and also the terminal tank of the group of its own name, Revenue Survey number of village 143.

Bund.—The bund is low and uneven and cut up, much being without repairs for a long time. It is now proposed to raise it to 4½ feet above M.W.L., with a top width of 6 feet, and side slopes 1½ to 1 in front and 2 to 1 in rear.

Revetment.—There is no revetment except about 150 feet long north of low level sluice. As there are valal grass existing along the inner slope of the bund and the soil is sufficiently hard, nothing is required for protecting of inner slopes.

Turfing.—The front and rear slopes of new earth is to be turfed with the best sods available at the spot.

Sluices.—There is at present one masonry sluice to the tank which leaks very much and cannot be repaired. So it is now proposed to rebuild the same. As the high level lands, extending about 44 acres, have no proper irrigation, though they are now watered with great difficulty from low level sluice, it is now proposed to provide a cement concrete pipe sluice for the same

The tank has a combined catchment basin of 11 square miles with a free basin of 1·5 square miles which gives maximum flood discharge of 1,820 cubic feet per second. For disposing of this discharge there is a natural escape, 90 feet long at the left flank, which is quite insufficient and consequently it has been cut up much and all the supply in the tank is being wasted. There being no better site, it is proposed to build a masonry weir, 294 feet long, at the mamool site for disposing of the surplus.

(Signed) J. LALOR, Captain,
19th April 1900. Offg. Ex. Engr., Chingleput Divn.

No. 158 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, V Circle, submits the accompanying estimate, amounting to Rs. 4,520, for repairing and improving the Serupayarpundy tank in the Chingleput district which irrigates 133 acres, yielding a revenue of Rs. 410. The

proposed improvements consist of the construction of two sluices in place of the existing sluice now in a dilapidated condition, and a weir for the discharge of surplus which, at present, passes through a natural escape at the left flank which is much cut up. The undersigned considers that the thickness of the body wall of weir is too little and provision has been made for increasing it by 1 foot. The estimate, which has been increased to Rs. 4,570, may be sanctioned.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

27th July 1900.

ORDER—No. 651 I., dated 6th August 1900.

The following estimate is sanctioned:—

Provincial.
Irrigation.
43. Minor Works and Navigation.
Class IV.—Other Minor Works for which neither Capital, nor Revenue, nor Individual Accounts are kept.
(*a*) In charge of the Public Works Department.
Chingleput Division.

Repairing and improving Serupayarpundy tank (No. 685 of the list of Minor Works, Public Works Department, Chingleput district, approved in G.O., No. 407 I., dated 6th July 1887).

	RS.
Estimate—	
Original works	3,250
Repairs	1,320
Total	4,570

2. This sanction is registered as No. 70 I. of 1900–1901.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" " " Tank Restoration Scheme.
" Superintending Engineer, V Circle, with 15 enclosures.
" Examiner of Public Works Accounts.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.
PUBLIC WORKS.

Recd.	1900.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 652 I., 6th August 1900.

AUGUST.

Boothangudy Channel, South Arcot Division

Estimate of Rs. 4,110 for the diversion of the — and of the adjoining road, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From the Superintending Engineer, V Circle, dated 7th April 1900, No. 148 E.I.
To the „ „ V „ „ 25th „ „ „ V./33 S.A.

From Colonel A. W. SMART, R.E., Superintending Engineer, V Circle, to the Chief Engineer for Irrigation, dated Chepâk, 6th July 1900, No. 246 E.I.

I have the honour to request sanction under paragraph 79, Chapter IX, Volume I of the Public Works Code, to the work "cutting a diversion of Boothangudy channel, forming road, and constructing a pipe aqueduct in Chidambaram taluk, South Arcot division," as per enclosed estimate, amounting Rs. 4,000, being undertaken by this department.

2. The amount of contribution to be recovered from the District Board of South Arcot is Rs. 1,300.

3. The estimate has been countersigned by the Collector and President of the District Board.

4. The Executive Engineer, South Arcot Division, reports that the road and channel are in a dangerous state and has requested permission to put the work in hand in anticipation of sanction to the estimate.

Enclosure.

Report to accompany the estimate for the proposed diversion of Boothangudy Channel.

	RS.
Amount of estimate	4,000

Owing to the set of the Vellaur on the right bank, the road from Chidambaram to Shatiatope has been badly eroded at 6⅔ miles (from Chidambaram) and a portion of the road has slipped in. The Boothangudy channel here flows close to the road and, in case of a further slipping in, the channel will breach into the Vellaur, in which case the large extent of land under the channel will suffer. It is therefore proposed to divert the channel and road. The line adopted is that marked out by the Executive Engineer on the survey enclosed and approved by the Chief Engineer. The channel will have a bottom width of 15 feet, side slopes of 1 to 1 with berms of 6 feet on both sides, the bed level depending on the existing bed levels at the beginning and end of diversion. The road will have a top width of 21 feet and side slopes of 1½ to 1, the level of the top of road depending similarly on the levels at beginning and end of the diversion. A margin of 12 feet of land is left beyond outer toe of slope (of road) for excavation of side channel and for pits for taking extra earth required. The right bank of the channel will have a top width of 4 feet, side slopes of 1½ to 1, and the top of bank will be 2½ feet above F.S.L. A margin of 3 feet of land is allowed beyond the outer toe of bank. A 9-inch iron pipe aqueduct is provided for the irrigation of the lands cut off by the diversion on the left. A tracing from the village maps showing the line of the proposed diversion, together with detail sub-division sketches and land schedules for the land to be taken up are enclosed. In the estimate for the road, the cost of which is to be met by the Local Fund department, the cost of extra earth to be taken from side pits only is charged as well as land occupied by the road with the 12 feet margin beyond.

Favour of early sanction of the estimate is requested so that the work may be completed before the next flood season.

18th May 1900. (Signed) R. N. AROKEASWAMI MUDALIYAR, Assistant Engineer.

This diversion was approved by the Chief Engineer for Irrigation in July 1899, and the delay in getting the estimate ready is chiefly due to changes in the subordinates.

7th June 1900. (Signed) C. A. SMITH, Executive Engineer.

No. 156 I.

Note by the Chief Engineer for Irrigation.

A portion of the 7th mile of the Chidambaram-Shatiatope road in the South Arcot district has slipped owing to the set of the Vellaur on its right bank, and it is feared that any further slipping in of the road would result in the Boothangudy channel, which runs close by, breaching into the river. To protect the large extent of land under the channel, it is proposed to divert the channel and the road.

2. The Superintending Engineer, V Circle, submits an estimate, amounting to Rs. 4,000, for the work and reports that the District Board of South Arcot has agreed to contribute Rs. 1,300, being the cost of the diversion of the road. The estimate has been increased in this office to Rs. 4,110 owing to errors in calculation, and the rate for cast iron pipes, 9 inches in diameter, for the proposed aqueduct of 15 feet clear span having been increased. The estimate may be sanctioned as modified.

24th July 1900. (Signed) W. HUGHES, Chief Engineer for Irrigation.

ORDER—No. 652 I., dated 6th August 1900.

The following estimate is sanctioned, Rs. 1,300 of the proposed outlay being contributed by the District Board of South Arcot and the remainder (Rs. 2,810) met from the balance of the amount reserved for unforeseen works of the Lower Coleroon anicut system, which will then be reduced to Rs. 19,941 :—

Provincial.
Irrigation.
43. Minor Works and Navigation.
Class II.—Minor Works and Navigation for which Capital and Revenue Accounts are kept.
Lower Coleroon Anicut System.
Capital Account.
I. Works.
2. Main Canals and Branches.
Cutting a diversion of Boothangudy channel, forming road, and constructing a pipe aqueduct.

	RS.	RS.
2. Land—		
(1) Compensation for land	2,217	2,217
3. Regulators—		
Constructing a pipe aqueduct	425	425
12. Earthwork—		
Diversion of channel	985	
Forming road	483	1,468
Total estimate ...		4,110

2. This sanction is registered as No. 71 I. of 1900-1901.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, V Circle, with nine enclosures.
" Examiner of Public Works Accounts.
" Local and Municipal Department.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd.	1900.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 653 I., 6th August 1900.

AUGUST.

Divi Island Pumping Project

Estimate of Rs. 200 for preliminary expenses in connection with the completion of the field investigation for the —, Kistna Eastern division, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

Office-note from the Asst. Chief Engr. for Irrigation, T.R.S., dated 23rd July 1900, No. 3 D.

No. 157 I.

Note by the Chief Engineer for Irrigation.

The accompanying estimate of Rs. 200, submitted by Mr. Reid, provides for preliminary expenses in connection with the completion of the field investigation for the Divi Island pumping project in the Kistna district, approved in G.O., No. 1696 W., dated 23rd June 1900. The estimate may be sanctioned.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

27th July 1900.

Order—No. 653 I., dated 6th August 1900.

The following estimate is sanctioned :—

Provincial.
Irrigation.
43. Minor Works and Navigation.
Class IV—Other Minor Works for which neither Capital nor Revenue nor Individual Accounts are kept.
(*a*) In charge of the Public Works Department.
Kistna Eastern Division.
Original Works.
Preliminary expenses in connection with the completion of the field investigation for the Divi Island pumping project.

	RS.
Estimate	200

2. This sanction is registered as No. 69 I. of 1900–1901.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Chief Engineer for Irrigation, Tank Restoration Scheme, with one enclosure.
„ Superintending Engineer, II Circle.
„ Examiner of Public Works Accounts.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. *Spare copies*

G.O., No. 654 I., 7th August 1900.

AUGUST.

Bank Canal, Godavari Eastern Delta

Letter from the Government of India, Public Works Department, sanctioning the estimate of Rs. 14,250 for the diversion of the —, communicated to the officers concerned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following paper :—

From O. C. LEES, Esq., Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Joint Secretary to the Government of Madras, Public Works Department, Irrigation Branch, dated Simla, 20th July 1900, No. 807 C.W.I.

With reference to the Proceedings of the Government of Madras, Public Works Department, No. 575 I., dated the 5th July 1900, forwarded with your No. 576 I. of the same date, I am directed to say that the Government of India sanction the estimate, submitted therewith, amounting to Rs. 14,250, inclusive of establishment and tools and plant charges, for the diversion of the Bank canal, Gódávari Eastern delta, from 16th mile to 17 miles 4 furlongs, chargeable to the Open Capital account of the Gódávari Delta system, the work being classed as unremunerative.

2. This sanction has been registered as No. 6 I. of 1900–1901, and the estimate and plans received with the memorandum quoted above are returned herewith.

Order—No. 654 I., dated 7th August 1900.

Communicated to the officers concerned.

2. The sanction accorded in the foregoing letter is registered as No. 72 I. of 1900–1901 and will expire on the 31st March 1901.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, I Circle, with nine enclosures.
„ Examiner, Public Works Accounts.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.
PUBLIC WORKS.

Recd.	1900.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 655 I., 8th August 1900.

AUGUST.

Statistical Statement IV-E

Letter from the Government of India, approving of the alteration of the heading of — in the Administration Report of the Irrigation Branch, Public Works Department, communicated to the officers concerned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper:—

From O. C. LEES, Esq., Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Joint Secretary to the Government of Madras, Public Works Department, Irrigation Branch, dated Simla, 3rd July 1900, No. 732 C.W.I.

With reference to the correspondence ending with the Proceedings of the Government of Madras, No. 513 I., dated 8th June 1900, I am directed to say that, in the circumstances explained, the Government of India approve the heading of Statistical Statement IV-E being altered so as to make it clear that the statement gives the results of the "fasli" and not of the "official" year. I am to say, however, that instead of using the vernacular word "fasli", the Government of India prefer that the year should be described as the "revenue year ending 30th June 19 ". The heading of the statement in the next Administration Report should therefore be:

"Comparative Statement of Irrigation and Rainfall in the Madras Presidency for the revenue year ending the 30th June 1900."

I am to say that the rainfall may also be given for the revenue and not for the official year.

ORDER—No. 655 I., dated 8th August 1900.

Communicated to the officers concerned, in continuation of G.O., No. 513 I., dated 8th June 1900, for information and guidance.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineers.
" the Examiner of Public Works Accounts.
" the Revenue Department.

IRRIGATION.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. *Spare copies*

G.O., No. 661 I., 11th August 1900.

AUGUST.

River Conservancy Act (VI of 1884)

Stating that Government is not prepared to amend sections Nos. 17 and 11 of the — on the ground that the former does not entail such a serious amount of unnecessary labour as to justify an alteration of the law, while the latter would involve a large quantity of scriptory work and numerous claims for compensation.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

Read—the following papers :—

From M.R.Ry. S. A. SUBRAHMANYA AIYAR Avergal, Executive Engineer, Kistna Western Division, to the Superintending Engineer, II Circle, dated 8th December 1899, No. 448 S.

I have the honour to bring to your notice that section 17 of the River Conservancy Act, No. VI of 1884, as amended by Act II of 1885, requires a report to be made to the Collector of the district of every act done by the River Conservator, under that section. One large class of cases is where the Conservator has planted nanel and placed Brownlow's weeds and other works within zemindari limits and within the limits of lands belonging to inamdars or Government pattadars. In these cases the lands having been eroded by the river and rendered low and unfit for cultivation, were as a matter of fact left uncultivated for two or more years. Such cases occurred, and will again occur, in about three fourths or more of the total length of both the right and left margins put together. No loss or damage was caused to the owners by the action of the Conservator in these cases. No report of the action of the Conservator in these cases was made to the Collector, in the last five or six years, ever since the Act was made applicable to the Kistna river, apparently, because it was not essential and its formal necessity was not even noticed. I therefore addressed the Collector asking his opinion about a necessary amendment of section 17, and with his concurrence, beg to propose the following exception to be inserted at the end of the section, viz.—

"Such a report shall not be necessary in the case of those acts of the River Conservator, which extend merely to the planting of nanel and the carrying out of other works on ground not cultivated in the previous two years, and in respect of which, no application has been made by the owner or occupier to the Conservator for permission to cultivate in future years."

2. The above amendment of section 17, as also the necessities of river conservancy works, requires an amendment to be made to section 11 somewhat as follows :—

After the words "to the river" insert the words "or which has gone out of cultivation for two consecutive years, at any time, after that date". The works of conservancy have now, in the future, to be extended to lands newly washed out by the river, after the Act was applied to it and it is only just and proper that such lands should, after going out of cultivation for two years, be in the same category as lands washed out and left waste for two years before the Act was applied to the river.

3. I enclose copies of the Collector's letters on the subject and my replies to them, and request that you will be good enough to place the matter in the hands of Government for as early legislation as convenient.

Enclosures.

From the Executive Engineer, Kistna Western Division, to the Collector of Kistna, dated 10th April 1899, No. 51 M.

With reference to your N. R. C. No. 28 Petn., dated 7th January 1899, I have the honour to enclose a sketch of the piece of ground referred to by petitioner.

It is on the slope of the river margin and can not bear a dry crop. It could not have borne a dry crop, in lieu of which petitioner might claim compensation, in the last few years. The claim put forward has therefore all the appearance of being frivolous and vexatious.

To purchase land such as petitioner's, merely to plant nanel on it, is outside the scope of river operations. It will therefore be possible for petitioner to make use of it when it is rendered fairly safe from the action of the river and fairly level for putting a crop on.

From the Collector of Kistna, to the Conservator of the Southern portion of the Kistna river, dated 25th April 1899, No. R.C. 28 Petn.

In reply to your letter, No. 51 M., dated 10th April 1899, I have the honour to inform you that if it is a fact that petitioner did not relinquish that portion of his land which was washed away and that the accretion adjoins his land and is on the site of what was washed away, he is entitled to the occupancy right of it just as though it had never been washed away. But as a new accretion, he could not cultivate it without your permission under section 11 of Act VI of 1884. He is, however, entitled to compensation under section 16, if permission is refused. This point seems to have been overlooked by you. As you say it may be that the petitioner could not have raised any crop by reason of the position of the accretion with reference to the river margin and its low-lying situation, but that is a point to be considered when the question of compensation comes up. Please inform me whether, as stated by the petitioner, it is a fact that your department planted nanel grass on the accretion, and, if so, why the report contemplated by section 17 has not been sent to me.

From the Executive Engineer, Kistna Western Division, to the Collector of Kistna, dated 26th July 1899, No. 520 M.

With reference to your No. R.C. 28 Petn. of 1899, I have the honour to inform you that the land in question, part of D. No. 148 of Bobberlanka, is not an accretion at all in the strict sense of the term. The owner, the present petitioner, never applied to me for permission to cultivate it, though he states and wishes it be believed that he was preparing to cultivate it. It was actually in a bare condition, for the best of reason that no sane man would have thought of putting a crop on it. This department planted nanel on it in the usual course for protective purposes.

2. Whether the land be an accretion, as incorrectly stated by the petitioner or old land, left uncultivated, section 11 of the Act applies. According to this section, the owner could not have cultivated it without my permission and the absence of any application from him for permission to cultivate, might have been considered by my predecessor and by subordinate officers as sufficient authority for this department to put nanel on the ground. Strictly interpreted, the Conservancy Act requires every such case of planting nanel on private ground to be reported to you under section 17; and this would mean practically *every case* of nanel planted at all on the river bed and to be planted hereafter. Such a large class of cases justifies my applying to Government for fresh legislation, and with your concurrence I propose to ask Government to add an exception at the end of section 17 to the following effect: "Such a report shall not be necessary, in the case of those acts of the River Conservator, which extend merely to the planting of nanel and the carrying out of other works, on ground not cultivated in the previous two years and in respect of which no application has been made by the owner or occupier, to the Conservators for permission to cultivate in future years." Such an exception would cover cases where no damage results to land owners from the operations of this department and where no compensation would consequently be due to them.

3. An amendment of section 11 is now necessary as follows: After the words "to the river" insert the words "on which has gone out of cultivation for two consecutive years at any time after that date."

This insertion is necessary to meet the cases of lands newly washed away by the river and requiring to be planted up for purposes of protection. The justice and expediency of this prohibitory amendment rest on exactly the same grounds as the present prohibition contained in the Act in respect of lands left uncultivated for two years previous to the date the Act was made applicable to the river. I consider it very objectionable to leave the Conservator's power of doing work on land newly washed away, to be derived from section 17.

4. I request your very early remarks on the amendments proposed above.

From the Collector of Kistna district, to the Conservator of the Kistna river, Southern Division, dated 8th August 1899, Dis. No. 2554/Gl.

With reference to your letter No. 520 M., dated 26th July 1899, proposing certain amendments in the River Conservancy Act, I have the honour to inform you that, if the effect of the requirements of the Act is as you say, the amendments are necessary. But I demur to the proposition that the whole river bed is private property or that nanel is practically planted only on private ground, and before I can say more than I have said in the sentence, I must have some statistics to support the proposed amendments. Until the law is amended, it should of course be followed, however in consequent that may be, and compensation granted for the portion planted on by your department.

From the Executive Engineer, Kistna Western division, to the Collector of Kistna, dated 11th October 1899, No. 864 M.

With reference to your No. 2554 D., dated 8th August 1899, I have the honour to inform you that the left margin of the river lies altogether in zamindari limits between the villages of Patamata and Avanigedda, both exclusive.

This is a length of 34 miles out of the whole length of about 42 miles in which this department is doing works. The names of the zamindari villages traversed are—

1. Yanamalakuduru.
2. Pedapulipaka.
3. Tsodavaram.
4. Maddur.
5. Royyur.
6. Vallurpalem.
7. Vallur.
8. Buddirazupalem.
9. Devarpalli.
10. Govindapalli.
11. Maduvapuram.
12. Mulakalapalli.
13. Aiyalur.
14. Aiynapur.
15. Lankapalli.
16. Srikakulam.
17. Cheedipudi.
18. Velivolu.
19. Nemagadda.
20. Nadakuduru.
21. Kottapalem.
22. Kukiligadda.
23. Bobbaralanka.

2. The right margin of the river passes through Gódávari agraharam between 10 miles 5 furlongs and 11 miles 4 furlongs, *i.e.*, for a length of 7 furlongs. It passes through zamindari land from 22 miles 4 furlongs to 34 miles, *i.e.*, for a length of 11½ miles. The zamindari lands traversed are the islands belonging to Vallur-Devarapalli, Mulakalapalli, Sajjalanka, Chintalalanka, Gazullanka and Potarlanka and hamlets. The whole length of the right margin on which this department is doing work is about 45 miles; and of this, about 12⅓ miles as above detailed is occupied by inam or zamindari.

3. I herewith enclose a list of revenue numbers belonging to private owners in Government villages on both margins of the river. These fields have been wholely or partly washed away and this department is now planting on these numbers or will presently have to do so.

4. In addition to all these, new lands which have been so far free from the action of the river may become subject to erosion at any time and then this department will have to take action to stop the erosion or make it harmless.

5. I have therefore the honour to request that you will be so good as to finally approve of my proposals for amending the Conservancy Act.

Name of village.	D. No.	Name of village.	D. No.	Name of village.	D. No.
Tadapalli, Guntur taluk ..	138	Ramachandrapuram ..	345	Muniyetipuram—*cont.* ..	589
	47		346		583
	46		343		582
	45		341		581
	42		340		579
	41		338		578
	40		337		574
	36		336		564
	34	Pedakondur Tenali taluk.	336	Pidaparru	371
	31		337		370
	29		338		369
Gundimeda	404 B.		333	Annawaram ..	278
	403		334		279
	401		385		280
	399		340		281
	395 B.		341		282
	391		343		285
	380	Vallabhapuram ..	420		286
	379		423		287
	378 B.		432		293
Chiravur	28		433		294
	29		438		296
	72		439		298
	74		450		299
	75		453		300
	76		455		310
	77		456	Chilumur	180
	78		460		158
	79		462		157
	81		467		189
	82		686		223
	83		688		226
	86		692		228
	87		694		230
	90	Muniyetipuram ..	606		234

Name of village.	D. No.	Name of village.	D. No.	Name of village.	D. No.
	235		541		695
	236		542		694
Chilumur—*cont.* ..	196		545		689
	216		546		693
	220		549		696
	220		550	Oleru—*cont.* ..	697
	212		593		698
	206	Donepudi—*cont.* ..	594		699
	246		595		220
	247		596		228
	248		597		227
	249		598		230
	250		599		352
	252		600		351
	230		259		350
pur	242		258		308
	243		257		307
	253	Vellatur	256		306
	219		256		202
	285		255		194
	488		253		193
	476		254		192
	473		643		189
	474		644		188
	401		662		185
	304		663		184
	271		664		183
	270		668		190
	262		667		204
	263		669	Penumudi ..	158
	259		670		157
	243		671		156
	241		672		155
	240		673		223
	238		738		224
	237		739		227
	234	Pedapulivaru ..	740		228
	233		743		229
Pedulanka near Kollur ..	135		744		230
	133		746		231
	113		771		232
	111		775		233
	110		778		234
	105		779		237
	97		781		238
	95		782		239
	31		784		240
	29		785		125
	2		786		126
	1175		790		139
	1177		791		142
	1179		180		172
	273		182	Chartragedda ..	171
	221		183		170
	222		184		140
	223		208		129
	226		217		122
	227		218		118
	228		219		66
	229		229	Nallur	68
	230		231		69
	231		232		616
	232		233		599
	233		234		595
	234		235		578
	235		778		577
	236		777		573
	237	Oleru	773		571
Donepudi	238		772		570
	239		771		569
	241		770		568
	242		767		567
	243		764	Kamarayagedda ..	566
	246		765		549
	247		759		548
	249		757		540
	250		712		541
	524		710		539
	526		709		531
	527		708		543
	533		706		46
	538		705		72
	539		704		81
	540		700		94

Name of village.	D. No.	Name of village.	D. No.	Name of village.	D. No.
	95		933	Potumivaka—*cont.* ..	1123
	27		930		1198
	8		931		163
	7		883		164
	6		884		165
	5		885		159
Kamarayagedda—*cont.*	4		886		148
	3		887		136
	2		888		116
	80		889		140
	546		890		111
	547		866		103
	221		865		102
	224		864		26
	226		863		25
	227	Chodayapalem—*cont.* ..	862		23
	228		725		16
	229		718		15
	234		716		9
	242		709		8
Visweswaram ..	243		706		6
	245		703		2
	248		700	Boberlanka, Bandar taluk.	108
	251		698		141
	250		868		143
	258		934		175
	222		932		177
	223		882		179
	1089		881		180
	1088		880		205
	1087		879		151
	1086		4		169
	1085		6		150
	1084		7		147
	1083		12		146
	1082		14		145
	1081		16		144
	1080		22		139
	1079		23		138
	1078		29		137
	1077		30		110
	1076		41		107
	1033		43		106
	1032		44		104
	1031		48		311
	1030		49		310
	1029		69		309
	1027	Bommuvaripalem ..	70		308
	1026		71		306
	1025		77		305
	1024		100		304
	1023		109		303
Chodayapalem	1022		123		302
	1021		124		301
	981		128		300
	980		129		299
	974		130		298
	973		131		297
	968		132	Avanigedda	296
	967		134		295
	966		142		294
	964		143		293
	963		144		292
	962		150		291
	961		792		290
	960		73		289
	959		795		288
	955		812		287
	954		813		286
	952	Potumivaka	814		285
	951		111		284
	950		1113		330
	949		1114		331
	948		1118		
	938		1119		
	935		1122		

From R. MORRIS, Esq., Collector, Kistna District, to the Conservator of the Kistna river, Southern Portion, Guntúr, dated 30th October 1899, Dis. No. 1681 R./Gl.

With reference to the correspondence ending with your No. 864 M., dated 11th October 1899, I have the honour to approve of the amendments proposed by you and to suggest that you should

move Government through the Chief Engineer for amending the Act. I understand that you do not propose to refuse, compensation in such cases. Claims for compensation will still have to be dealt with in consultation with the Collector or at least Revenue officers.

No. 417 I.

Forwarded in original with enclosures to the Chief Engineer for Irrigation for favour of compliance.

(Signed) J. HANNAN,
Supg. Engineer, II Circle.

11th December 1899.

Memorandum to the Superintending Engineer, I Circle, dated 25th January 1900, No. 1 I.

Referred to the Superintending Engineer, I Circle, for an expression of his opinion on the desirability of the amendments proposed, prior to action being taken for the introduction of a bill to amend Madras Act II of 1885.

From W. C. DeMorgan, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Camp, Russellkonda, 5th February 1900, No. 239 G.

With reference to your No. 1 I. of 25th January 1900, herewith returned with enclosures, I have the honour to inform you that in my opinion the amendment is desirable inasmuch as it will save the extra routine work of making a report to the Collector, and this work in the Kistna appears to be considerable.

In all cases where there are claims for compensation, the Revenue authorities must be considered, and therefore a separate report of the mere fact that the Conservator has caused nanel to be planted, or other works executed appears superfluous.

No. 97 I.

Note by the Chief Engineer for Irrigation.

Under G.O., No. 420 I., dated 29th May 1894, the River Conservancy Act (VI of 1884) was brought into force in the Kistna district from the 1st September 1894.

Section 17 of the Act lays down that the Conservator shall furnish the Collector with a report of every act done by him which may appear to him to be necessary to prevent erosion or breach of embankments, encroachments by the stream or danger to life or property. It would appear that, hitherto, the report prescribed was not made to the Collector, as no loss or damage was caused to the owners by the Conservator planting nanel, etc., on lands eroded by the river, rendered low and unfit for cultivation and left uncultivated for two or more years.

With the Collector's concurrence the Superintending Engineer proposes the insertion of the following exception at the end of the section:—

"Such a report shall not be necessary in the case of those acts of the River Conservator which extend merely to the planting of nanel and the carrying out of other works on ground not cultivated in the previous two years, and, in respect of which no application has been made by the owner or occupier to the Conservator, for permission to cultivate in future years."

He also proposes that after the words "to the river" in section 11, the words "or which has gone out of cultivation for two consecutive years, at any time, after that date" should be inserted.

The Superintending Engineer, I Circle, having been requested to give his opinion on the amendments suggested, reports that he considers that they are desirable, and as in all cases where there are claims for compensation, the Revenue authorities must be consulted, a separate report of the mere fact that the Conservator has caused nanel to

be planted or other works executed appears superfluous. Apparently, the report to the Collector was prescribed as a check on the power of the Conservator against any indiscreet exercise of it.

In the above circumstances, it is recommended that the papers may be forwarded to the Legislative Department for consideration and necessary action.

Transferred to the Legislative Department.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

5th April 1900.

Order—No. 661 I., dated 11th August 1900.

The two amendments proposed to sections Nos. 17 and 11 of the River Conservancy Act (VI of 1884) have been fully considered by His Excellency the Governor in Council.

2. With regard to the amendment proposed to section 17, the Government does not consider that the section as it stands entails such a serious amount of unnecessary labour as would justify an alteration of the law.

3. With regard to the amendment proposed to section 11, the proposal is to require the permission of the Conservator as a condition precedent to cultivating any private land in the river bed which has been allowed to lie fallow for two years. Such land is either cultivable or uncultivable. If it is uncultivable, the desired power to withhold permission to cultivate is unnecessary. If it is cultivable, the Government considers that the dealing with the applications to cultivate would involve a large quantity of scriptory work and possibly numerous claims for compensation under section 16. Under section 12, the Conservator has now the power to prohibit cultivation in all necessary cases.

4. In these circumstances, the Government is not prepared to take steps to amend the law as proposed.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineers, I and II Circles.
„ the Revenue Department.
„ the Legislative Department.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. *Spare copies*

G.O., Nos. 663, 664 I., 13th August 1900.

AUGUST.

Kiranur Tank

Forwarding copy of Proceedings sanctioning the estimate of Rs. 3,940 for improving the —, Srívaikuntam anicut system, Tinnevelly division.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers:—

From the Superintending Engineer, VI Circle, dated 9th July 1900, No. 472 T.N.

Enclosure.

Report to accompany the estimate for repairing and improving Kiranur tank, S.M. channel Srivaikuntam anicut system.

Amount of estimate ... ... { Rs. 3,200 for revetment and gravel backing, and
„ 320 for repairs to bund and sluices.

1. This is one of the important tanks under the channel situated next to Atúr tank supplied by Atúr branch channel. The ayacut is 252 acres and the revenue ought to be Rs. 2,158. The tank is now in a weak condition. The F.T.L. is 11·00 above M.S.L. The bund being eroded by wave action and weak, it is not possible to keep water even to level 10·50 with security. The sufferings of the ryots are consequently intense. From the statement annexed it will be seen that the loss of revenue during five consecutive years is Rs. 1,545.

2. Under these circumstances, this estimate is prepared to put the tank in thorough order at a cost of Rs. 3,520. From the sections it will be seen that more than half the length of bund is vertical on the tank side on account of wave action. This can permanently be remedied only by revetting the front slope. As stones are not available within a distance of 9 miles and as the effective thickness of stones obtainable is not more than 1 foot, it is proposed to make the thickness of revetment 1′ 3″ instead of 1′ 6″ as usual, to keep the amount of estimate as low as possible and provide a backing of gravel 9 inches thick.

3. The F.T.L. of the tank was, in accordance with the final revised estimate for the project sanctioned in G.O., No. 381 I., dated 8th May 1882, raised from 10·26 to 11·00 and the bund made up to level 14·00. The margin allowed for the bund above F.T.L. being too small, it has become impossible to safely store water to F.T.L.+11·00, as the section of the bund has in a few years become reduced by wear and tear. It is therefore now proposed to make up the bund to level 15·00. The top width is 6 feet, but 9 feet is allowed where there is a cart-track. A local fund road runs along the margin of the water-spread of the tank. It is low and will be raised by the Local Fund Department when water is stored in the tank to F.T.L.

4. The capacity of the tank, namely, 9·24 millions of cubic feet, being too small compared with the area to be irrigated, the ryots urge the necessity of increasing it by raising the F.T.L. by 1 foot, *i.e.*, to 12·00. But for several reasons it does not appear advisable to permanently do so now. As, however, towards the end of the rainy season, the ryots may be allowed to place a turf bund over the surplus weir and raise water up to 1 foot above F.T.L. as the ryots are now allowed to do in Arumugamangalam and Korkai tanks, if sufficient supply be available in the river, it is proposed to give the revetment a margin of 2 feet above F.T.L.

5. Estimate is made for—

(1) constructing revetment with gravel backing for protection of front slope wherever necessary;
(2) repairing bund and masonry works.

Item No. 1 must be charged to Open Capital account, and No. 2 to 42. Working expenses—Maintenance and repairs. The estimate is therefore submitted for sanction in two parts.

3rd June 1900,

(Signed) S. GOPALAKRISHNA AIYAR,
Executive Engineer.

No. 155 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, VI Circle, submits the accompanying estimate, amounting to Rs. 3,200, for improving the Kiranur tank under the Srivaikuntam anicut system by providing a stone revetment to the front slope of the bund which is

much eroded. It is reported that, owing to the weak state of the bund, it has not been possible to store water in the tank to F.T.L. with the result that, during the last five years, there has been an average annual loss of revenue of Rs. 309. The estimate may be sanctioned.

2. The work is classed as "remunerative" and will probably be completed by the 31st March 1901.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

24th July 1900.

ORDER—No. 663 I., dated 13th August 1900.

The following estimate is sanctioned :—

Capital Expenditure not charged to Revenue.
49. Irrigation.
Srivaikuntam Anicut System.
Southern Section.
Open Capital Account.
I. Works.
2. Main Canals and Branches.
Remunerative Work.
14. Tanks and Reservoirs.
Improving the Kiranur tank.

Estimate—	RS.
I. Works	3,200
II. Establishment	736
III. Tools and plant	4
Total ...	3,940

2. This sanction is registered as No. 73 I. of 1900–1901 and will expire on the 31st March 1901.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 664 I., dated 13th August 1900.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle,
with six enclosures.
" Examiner of Public Works Accounts.

ENDORSEMENT—No. 664 I., dated 13th August 1900.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd.	1900.	*Enclosures*
Regd.		*Spare copies*

G.O., Nos. 665, 666 I., 13th August 1900.

AUGUST.

Salt Factory Canal at Pandraka, Kistna Eastern Delta

Forwarding copy of Proceedings sanctioning the estimate of Rs. 1,250 for excavating right and left side channels to the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From J. HANNAN, Esq., Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated Bezwada, 21st February 1900, No. 470 I.

I have the honour to forward herewith, for your approval and sanction of Government under "Open Capital account," plans and estimates, amounting to Rs. 1,055, for excavating China Pandraka side channel from Bantumilli canal along the left bank of Salt canal, Kistna Eastern division.

2. The report which accompanies the estimates explains the necessity for the work.

ENCLOSURE.

REPORT to accompany the estimates for a right and left side channel to Salt Factory canal at Pandraka.

	RS.
Amount of estimates as follows:—	
Earthwork, L.S. ...	205
Do. R.S. ...	135
Pipe sluice ...	260
Do. ...	210
Land compensation ...	235
Demarcation stones ...	10
Total ...	1,055

There are about 780 acres of land irrigated by pipe sluices in the Salt Factory canal, and as the canal silts up very badly every year, it is proposed to discontinue irrigation under it.

Some 130 acres of wet land will be thrown out of irrigation; and the remaining 650 acres will be irrigated by means of pipe sluices in right bank of Bantumilli canal, from which side channels will be excavated. The margin of land between the side channels and the canal bank is necessary for depositing silt.

(Signed) J. RUCK, Sub-Condr.,
Sub-Division Officer.

Memorandum to the Superintending Engineer, II Circle, dated 3rd March 1900, No. II./22 K.S.

With reference to letter from the Superintending Engineer, II Circle, No. 470 I., dated 21st February 1900, the undersigned has the honour to request that he will be good enough to obtain the opinion of the Collector as to whether there will be any claims for compensation, if the 130 acres of land referred to in the report are thrown out of irrigation.

(By order.)

(Signed) F. J. WILSON,
Asst. Chief Engineer for Irrigation.

From R. MORRIS, Esq., Collector, Kistna District, to the Executive Engineer, Kistna Eastern Division, dated 16th June 1900, Dis. No. 2013 Gl.

With reference to your Mis. No. 1726, dated 21st March 1900, I have the honour to inform you that I do not think there can be any claim to compensation under the terms of the expiring settlement. When the land becomes consolidated wet, there might be claims which would have to be admitted, but they would be only of a standing dating from this fasli which cannot give a high prescriptive title to wet and probably the compensation awardable would be very small. There are no lands entitled as of right to water under the expiring settlement.

2. The enclosures are returned.

No. 238 S.E.

Forwarded to the Superintending Engineer, II Circle, with reference to his No. 1353 K.E. of 7th March 1900.

2. The plans and estimates are herewith resubmitted for sanction.

(Signed) J. S. WILSON,
Ex. Engineer, Kistna Eastern Divn.

5th July 1900.

No. 91 I.

Forwarded to the Chief Engineer for Irrigation with reference to his No. II./22 K.S., dated 3rd March 1900.

(Signed) J. HANNAN,
Supg. Engineer, II Circle.

Bezwada,
10th July 1900.

No. 159 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, II Circle, submits the accompanying estimate, amounting to Rs. 1,055, for excavating channels from the Bantumilli canal along the right and left sides of the Salt Factory canal at Pandraka in the Kistna Eastern delta. The proposed channels are intended for the irrigation of 650 out of the 780 acres, now supplied by the Salt Factory canal, the irrigation from which it is proposed to discontinue as it silts up very badly every year. The estimate may be sanctioned.

2. The work is classed as "unremunerative" and will probably be completed by the 31st March 1901.

3. The Superintending Engineer, II Circle, should furnish this office with a sketch-map showing the arrangement and position of the proposed side channels.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

27th July 1900.

Order—No. 665 I., dated 13th August 1900.

The following estimate is sanctioned:—

Capital Expenditure not charged to Revenue.
49. Irrigation.
Kistna Delta System.
Eastern Section.
Open Capital Account.
3. Distributaries.
Unremunerative Work.
Bantumilli Canal.
Excavating right and left side channels to the Salt Factory Canal at Pandraka.

	RS.	RS.
2. Land—		
(1) Compensation for land	235	235
3. Works—		
(2) Constructing a pipe sluice in the right bank of Bantumilli canal at 50/6 mile	210	
(3) Constructing a pipe sluice in the right bank of Bantumilli canal at 50/7 mile	260	470
4. Earthwork—		
(4) Excavating right side channel	135	
(5) " left "	205	340
5. Miscellaneous—		
(6) Demarcation stones	10	10
Total, I. Works		1,055
II. Establishment ...		189
III. Tools and plant ...		6
Total, Estimate ...		1,250

2. This sanction is registered as No. 74 I. of 1900-1901, and will expire on the 31st March 1901.

3. The attention of the Superintending Engineer, II Circle, is drawn to paragraph 3 of the foregoing note by the Chief Engineer for Irrigation.

4. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 666 I., dated 13th August 1900.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, II Circle,
with seventeen enclosures.
" Examiner of Public Works Accounts.

ENDORSEMENT—No. 666 I., dated 13th August 1900.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. *Spare copies*

G.O., No. 682 I., 16th August 1900.

AUGUST.

Boats

The estimate of Rs. 3,150 for the construction of three second-class staff — to replace the unserviceable boats in the Gódávari Eastern delta, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From the Superintending Engineer, I Circle, dated 17th July 1900, No. 1673 G.E.

No. 165 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, I Circle, submits the accompanying estimate of Rs. 3,150 for constructing three second-class staff boats to replace the unserviceable boats in the Gódávari Eastern delta, referred to in the concluding portion of the note by the undersigned, printed with G.O., No. 1063, I., dated 13th December 1899. The estimate may be sanctioned.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

9th August 1900.

Order—No. 682 I., dated 16th August 1900.

The following estimate is sanctioned :—

Imperial.
Irrigation.
42. Major Works (Working Expenses).
Gódávari Delta System.
Gódávari Eastern Division.
5. Tools and Plant.
4. Navigation Plant.
Constructing three second-class Staff Boats.

	RS.
Estimate	3,150

2. This sanction is registered as No. 76 I. of 1900–1901.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
,, Superintending Engineer, I Circle,
with four enclosures.
,, Examiner of Public Works Accounts.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. *Spare copies*

G.O., No. 684 I., 16th August 1900.

AUGUST.

Ballacuts

The estimate of Rs. 1,370 for renewing two condemned first-class iron ferry — in the Gódávari Eastern delta, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From the Superintending Engineer, I Circle, dated 17th July 1900, No. 1714 G.E.

No. 163 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, I Circle, submits an estimate of Rs. 1,370 for renewing the two condemned first-class iron ferry ballacuts in use at Anaparti and Konkuduru crossings in the Gódávari Eastern delta. The estimate may be sanctioned.

6th August 1900.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. 684 I., dated 16th August 1900.

The following estimate is sanctioned :—

Imperial.
Irrigation.
42. Major Works (Working Expenses).
Gódávari Delta System.
Gódávari Eastern Division.
5. Tools and Plant.
4. Navigation Plant.
Renewing two iron first-class ferry Ballacuts for Anaparti and Konkuduru Crossings.

	RS.
Estimate	1,370

2. This sanction is registered as No. 77 I. of 1900–1901.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, I Circle,
with three enclosures.
„ Examiner of Public Works Accounts.

IRRIGATION.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. } *Spare copies*

G.O., No. 688 I., 18th August 1900.

AUGUST.

Wharf Establishment Sheds

Ordered that a letter be sent to the Government of India stating, with remarks, that the remunerative character of the work of constructing — depends upon the amount of wharf fees collected.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers :—

From O. C. LEES, Esq., Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Joint Secretary to the Government of Madras, Public Works Department, Irrigation Branch, dated Simla, 19th June 1900, No. 662 C.W.I.

I am directed to acknowledge the receipt of the Proceedings of the Government of Madras, No. 467 I., dated 18th May 1900, containing Local Government's sanction to estimates, aggregating Rs. 8,050, for constructing wharf establishment sheds at Tenali, Seethanagram and Chebrole, chargeable against the Open Capital Account of the Kistna Delta system.

2. With reference thereto, I am to enquire whether the classification of the work as remunerative is correct, and, if so, I am to ask that the Government of India may be furnished with a report indicating the remunerative character of the work (*vide* paragraph 35 V (*b*), Chapter V, Public Works Department Code, Volume II).

To the Superintending Engineer, II Circle, dated 11th July 1900, No. II./70 K. S.
From the „ „ II „ „ 3rd August „ „ 123 I.

ORDER—No. 688 I., dated 18th August 1900.

Ordered that the following letter be sent.

[Here enter No. 689 I., dated 18th August 1900.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation,
„ Superintending Engineer, II Circle,
„ Examiner, Public Works Accounts,
} with copy of letter to Government of India.

IRRIGATION.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. *Spare copies*

Letter, No. 689 I., 18th August 1900.

AUGUST.

Wharf Establishment Sheds

Stating, with remarks, that the remunerative character of the work of constructing — depends upon the amount of wharf fees collected.

PUBLIC WORKS DEPARTMENT.

Irrigation.

Letter—from

W. HUGHES, Esq.,
Joint Secretary to the Government of Madras,
Public Works Department,
Irrigation Branch,

To

The SECRETARY to the GOVERNMENT OF INDIA,
Public Works Department,
Irrigation, Roads and Buildings.

Sir,

With reference to paragraph 2 of your letter No. 662 C.W.I., dated 19th June 1900, I am directed to invite your attention to the amended Navigation rules approved in Proceedings of Madras Government, No. 486 I., dated 13th June 1899, which empowers the levy of wharfage fees, and to state that the remunerative character of the work referred to depends on the collection of these, and that there is no means of forecasting the amount. The receipts for the last two years and the number of wharves from which they were collected are given in the margin.

	Number of wharves.	Amount collected.
		RS.
1898–99	5	11,882
1899–1900	7	7,053

I have the honour to be,
Sir,
Your most obedient servant,
(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

Ootacamund,
18th August 1900.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd.	1900.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 697 I., 21st August 1900.

AUGUST.

Punt at the Madras Basin, Buckingham Canal

The estimate, amounting to Rs. 1,070, for protecting with copper sheathing the bottom and sides, up to the water level, of the wooden — from the ravages of marine borers, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From the Superintending Engineer, V Circle, dated 29th July 1900, No. 275 E.I.

No. 167 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, V Circle, submits an estimate, amounting to Rs. 1,070, for protecting with copper sheathing the bottom and sides, up to the water level, of the wooden punt at the Madras Basin, Buckingham Canal, from the ravages of marine borers. The estimate may be sanctioned.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

11th August 1900.

Order—No. 697 I., dated 21st August 1900.

The following estimate is sanctioned :—

Provincial.
Irrigation.
43. Minor Works and Navigation.
Class II.—Minor Works and Navigation for which Capital and Revenue Accounts are ke pt.
Revenue Account.
Buckingham Canal.
Northern Section.
5. Tools and Plant.
4. Navigation Plant.
Copper-sheathing the Punt at Madras Basin.

	RS.
Estimate	1,070

2. This sanction is registered as No. 78 I. of 1899–1900.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
,, Superintending Engineer, V Circle,
with four enclosures.
,, Examiner, Public Works Accounts.

IRRIGATION.

Government {1900} of Madras.

PUBLIC WORKS.

Recd.	} 1900.		*Enclosures*
Regd.			*Spare copies*

G.O., No. 704 I., 23rd August 1900.

AUGUST.

Nakkala Codu, Kistna Eastern Delta

Letter from the Government of India requesting the submission of a report indicating the remunerative character of the work of extending —, communicated to the officers concerned, with remark.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

Read—the following paper :—

From O. C. LEES, Esq., Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Joint Secretary to the Government of Madras, Public Works Department, Irrigation Branch, dated Simla, 3rd August 1900, No. 844 C.W.I.

I am directed to acknowledge the receipt of the Proceedings of the Government of Madras, No. 590 I. of the 10th July 1900, and in reply to say that the Government of India accept the classification of the work of extending Nakkala codu, a branch of the Gudiváda channel of the Pulleru canal, Kistna Eastern delta, as remunerative; but I am to invite attention to the rule in Public Works Department Code, Volume II, Chapter V, paragraph 35 V (*b*), which requires the submission of a report indicating the remunerative character of the work.

2. I am to ask that in future, in reporting sanction to estimates for works which it is proposed to class as remunerative, the reasons for the classification may be stated in the Chief Engineer's note.

Order—No. 704 I., dated 23rd August 1900.

Communicated to the officers concerned.

2. When submitting estimates for remunerative works for sanction, the information required by the Government of India in the foregoing letter will be furnished by Superintending Engineers.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineers of Circles.
" the Examiner of Public Works Accounts.

IRRIGATION.

Government {1900} of Madras.

PUBLIC WORKS.

Recd.	1900.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 706 I., 23rd August 1900.

AUGUST.

Wharf

Ordered that a notification be published in the Fort St. George and Kistna District Gazettes declaring the siding basin at Madanapalle, Kistna Eastern delta, to be a — where wharfage and demurrage fees will, in future, be levied.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following paper :—

Transfer endorsement of the Under Secretary to Government, Public Works Department, dated 16th August 1900, No. 3344 C.

ORDER—No. 706 I., dated 23rd August 1900.

Ordered that the following notification be published in the *Fort St. George Gazette* :—

NOTIFICATION.

The siding basin at Madanapalle, Polraz canal, Kistna Eastern delta, is hereby declared to be a wharf where wharfage and demurrage fees will, in future, be levied under the Navigation rules published in pages 753 to 776, Part I of the *Fort St. George Gazette*, dated 27th June 1899.

2. The Superintending Engineer, II Circle, will arrange to have the notification published in the Kistna District Gazette.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineers, I, II and V Circles.
" Examiner, Public Works Accounts.
" Revenue Department.
" Superintendent, Government Press, with notification.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.
PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. *Spare copies*

G.O., Nos. 707, 708 I., 23rd August 1900.

AUGUST.

Peranai Anicut, Periyar Project

Forwarding copy of Proceedings sanctioning the revised estimate of Rs. 10,900, for improving the —, and for fitting it with the falling shutters of the Grand anicut, Cauvery delta system.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—again the following paper :—

G.O., No. 85 I., dated 25th January 1900.

READ—also the following papers :—

From the Superintending Engineer,	VI	Circle,	dated	23rd February	1900,	No.	194 M.D.
From the " "	VI	"	"	26th "	"	"	216 M.D.
To the " "	VI	"	"	1st March	"	"	VI/12 M.D.
From the " "	VI	"	"	28th "	"	"	402 M.D.
To the " "	VI	"	"	2nd April	"	"	VI/16 M.D.
To the " "	V	"	"	2nd "	"	"	V/30 T.J.
From the " "	V	"	"	25th June	"	"	234 E.I.
To the " "	VI	"	"	30th "	"	"	VI/26 M.D.

From Colonel O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 14th July 1900, No. 800 M.D.

I have the honour to forward, herewith, a revised estimate amounting to Rupees 10,900, for improving and fitting falling shutters to the Peranai anicut.

2. The original estimate, amounting to Rs. 5,000, was sanctioned in G.O., No. 85 I., dated 25th January 1900.

3. In the original estimate no provision was made for the cost of the old falling shutters which were formerly used on the Grand anicut, and which have been transferred to this work. Considering the long period the shutters have been in use and the extensive alterations required to them, it was considered fair to fix their value as that of old iron. A rate of Rs. 55 per ton has been allowed and this is considered to be a fair rate.

4. In the original estimate it was assumed that shutters for the whole length were available from the Grand anicut. In returning the estimate for altering the shutters, the General Superintendent, Public Works Workshops, observed that he believed that some of the material of the shutters had been used up. A lump sum of of Rs. 600 was therefore entered in the estimate to make good any deficiencies. It was, however, found that only 74 shutters were available for transfer and 28 new shutters are now required. The Public Works Workshops have estimated the cost of making these at Rs. 74 each.

5. In the original estimate, it was proposed to fit the shutters to the existing crest of the anicut and carry out the necessary raising in front of the shutters with concrete in Portland cement. Levels taken along the crest of the anicut showed that difficulty would be experienced in setting up the shutters.

6. The Executive Engineer therefore proposed to remove and relay the coping stones at an uniform level, using concrete in surki mortar under the sluice. The level of the upstream edge of the anicut has been taken as 623·88, and that of the slide-bars, 623·55. This method of dealing with the crest results in much more substantial work as the flow will now take place over cutstone instead of over concrete. Moreover, it was found that much of the anicut crest consisted of rough dressed stone in mud, so that the alteration in design was very necessary. About 15 per cent. of new cutstone has been found to be necessary.

7. On those portions of the anicut which were too narrow to admit of the falling shutters being worked, it was proposed to bring up the crest by a rubble wall, 2 feet high and 2 feet thick. It is now proposed to carry this wall for the full width of the crest, to avoid a fall on to the crest. This will be stronger work and also give a clear overfall. It has been found necessary to build ring bunds and these are allowed for in this estimate.

8. The cost of constructing small sheds for the work people have also been allowed for.

9. The estimate, as now revised, provides for all works necessary and is recommended for sanction.

Enclosure.

Report to accompany the revised estimate for improving and fitting falling shutters to Peranai anicut.

		RS.
Amount of revised estimate	... ...	10,900
,, of original ,,	... ...	5,000
	Difference ...	5,900

On receipt of the estimate for providing falling shutters to the anicut at Peranai, I found that the estimate required considerable revision, and that the estimate would be exceeded.

Item 20. Firstly, because there was no provision for the value of the shutters transferred from the Grand anicut.

Item 23. Secondly, because these shutters were not of the lengths set forth in the original estimate and 28 new shutters, each 8 feet long, were required for the length found to be unprovided for. The fact of the estimate being insufficient was duly reported and orders were received to proceed with the work and send in a revised estimate as soon as possible.

The General Superintendent, Public Works Workshops, having now furnished an estimate for the new shutters, the revised estimate is submitted for sanction.

2. Levels were taken along the anicut crest and they showed that it would not be possible to fix the shutters on the existing crest. The advisability of stepping the crest longitudinally was investigated and was found to be inadvisable owing to the alterations required in the shutters and to the fact that the crest even then was not sufficiently level to permit of the shutters being set up perpendicularly. The sanctioned plan showed 4 inches cement concrete laid on the existing crest without bonding into it. A portion of the crest stone had therefore in any case to be removed to bond the concrete into the old work. Taking these facts into consideration and the fact that concrete in the position shown would almost certainly not wear well, I thought the soundest proceeding would be to remove the crest stones entirely, put the concrete, where required, at a lower level, and relay the anicut crest stones at an uniform level throughout. The level of the upper edge of the anicut to which the crest was to be relaid was taken as 623·88 and the level of the slide bars 623·55. The level 623·88 was taken as being the average level of the up-stream edge of the anicut. The levels giving this result were taken by Mr. Ramalinga Aiyar, Assistant Engineer. The levels shown on the plan herewith were taken along the line of the shutters by the Anicut superintendent, and their average is 623·81, or ·07 lower than those taken by the Assistant Engineer. It proved just as well that the decision to relay the anicut crest throughout was taken as it was found in many places and for considerably more than half the length to be practically roughly dressed stone in mud.

Items 1, 2, 6, 7, 8, 21 and 22. The marginally-noted deviations are due to this alteration in design. The original estimate provided for cement concrete. As the concrete in its present position is not exposed to the action of running water, surki mortar has been substituted for cement, and cement pointing for the relaid crest is provided for in the estimate.

3. The original estimate assumed that the shutters from the Grand anicut would suffice for the whole length of crest for which falling shutters were to be provided. This assumption was wrong and on the list of shutters being received, it was found that 2 4 feet of new shutters were required. These have cost Rs. 74 each. A detail estimate showing how this is arrived, accompanies this estimate. For the old shutters received the transfer value has been taken at Rs. 55 per ton, as that is the current price of old iron at the present time.

Item 23.

4. The rubble walling has been carried through to the rear of the anicut to avoid 2 feet drop on to the crest and to give a clear overfall in rear, except on the right flank, where the wall has been built according to the original design. If this portion shows any signs of undue wear and tear, the wall will be thickened towards the rear so as to give a clear overfall; this can be done during next closure. The conditions at this point differ from the rest of the anicut, as there is a dry stone apron in rear packed in two steps, and the wall, as built, provides an additional step. If it is found necessary to thicken this wall, the dry stone apron will have to be strengthened. Provision for this, if found to be necessary, will be made in the annual maintenance estimate.

5. The original estimate did not provide for a ring bund; this is now provided for. The bund was washed away by floods at the end of April and in May; those washed away have been allowed for.

Items 25, 26 and 27.

6. Sheds for the workpeople are provided, as most of the labour come from Madura, and accommodation is not available in the village.

Items 28, 29 and 30.

7. The original estimate provided for obtaining fitters from Madras. This is omitted from the estimate, as sufficiently skilled artisans were obtainable locally.

Items 3, 4, 9, 9a, 10, 11 and 19.

8. The stone for the anicut crest is 85 per cent. old stone and 15 per cent. new stones. The joints were ordered not to exceed ½ inch and the result was that 15 per cent. of the new stone were found to be required, due to the fact that the old joints were of excessive width and some of the stone has been found unsuitable.

9. The mortar provided for is surki mixed in equal parts (by measure) of sand, lime and surki. The concrete provided for is mixed two stone to one of mortar.

(Signed) H. T. KEELING,
Ex. Engineer, Madura Division.

4th July 1900.

From Colonel O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 24th July 1900, No. 841 M.D.

With reference to your No. VI/26 M.D., dated 30th June 1900, I have the honour to say that I consider that a rate of Rs. 55 per ton, which was the value of old iron when the transfer of the shutters took place, is a fair one.

2. The shutters could never have fetched more than the value of old iron in the open market.

No. 164 I.

Note by the Chief Engineer for Irrigation.

In G.O., No. 85 I., dated 25th January 1900, an estimate of Rs. 5,000 for improving the Peranai anicut, Periyár project, and fitting it with falling shutters, lately used on the low level part of the Grand anicut, Cauvery delta system, was sanctioned, and the Superintending Engineer, VI Circle, was asked to report the actual or approximate value of the shutters in view to the amount being credited to the latter system. The Superintending Engineer now submits a revised estimate involving an excess of Rs. 5,900 over the original sanction. The excess is chiefly due to provision having now been made for the value of the old shutters,* of which only 74 were available for transfer from the Grand anicut, rendering necessary the manufacture of 28 new shutters at Rs. 74 each, to removing and relaying the coping stones on the crest of the anicut, which was not of uniform level, making it difficult to set up the shutters, and as much of the crest consisted of rough dressed stone in mud, to 15 per cent. of new cut-stone having been found to be necessary. The revised estimate is recommended for sanction.

* Taking them as old iron at Rs. 55 per ton.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

6th August 1900.

Order—No. 707 I., dated 23rd August 1900.

The following revised estimate is sanctioned in supersession of the estimate of Rs. 6,150, sanctioned in G.O., No. 85 I., dated 25th January 1900 :—

Capital Expenditure not charged to Revenue.
49. Irrigation.
Periyár Project.
Open Capital Account.
2. Main Canals and Branches.
(3) Masonry Works.
Remunerative Work.
Peranai Anicut.
Improving and fitting falling shutters.

Estimate—

	RS.
I. Works	10,900
II. Establishment	2,507
III. Tools and plant	43
Total ...	13,450

2. This sanction is registered as No. 75 I. of 1900–1901, and will expire on the 31st March 1901.

3. The value of the 74 old shutters, viz., Rs. 903, will be credited to the Cauvery delta system by the Examiner of Public Works Accounts.

4. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 708 I., dated 23rd August 1900.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, VI Circle, with fifteen enclosures.
„ „ „ V „
„ Examiner of Public Works Accounts.

Endorsement—No. 708 I., dated 23rd August 1900.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. *Spare copies*

G.O., No. 710 I., 23rd August 1900.

AUGUST.

Bank Canal at Korumalli, Godavari Eastern Division

Letter from the Government of India sanctioning the estimate, amounting to Rs. 17,350, for the diversion of the —, communicated to the officers concerned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper :—

From O. C. LEES, Esq., Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Joint Secretary to the Government of Madras, Public Works Department, Irrigation Branch, dated Simla, 8th August 1900, No. 858 C.W.I.

I am directed to acknowledge the receipt of the Proceedings of the Government of Madras, No. 598 I., dated 14th July 1900, and in reply to say that the Government of India sanction the estimate, forwarded therewith, amounting to Rs. 17,350, including establishment and tools and plant charges, for the diversion of the Bank Canal at Korumalli from 17 miles 4 furlongs to 20 miles 4 furlongs, chargeable against the open Capital account of the Gódávari delta system, the work being classed as unremunerative and the probable date of completion being the 31st March 1901.

2. The sanction accorded in paragraph 1 has been registered as No. 7 I. of 1900-1901, and the plans and estimate forwarded with the Proceedings of the Madras Government are returned herewith.

ORDER—No. 710 I., dated 23rd August 1900.

Communicated to the officers concerned with reference to G.O., No. 598 I., dated 14th July 1900.

2. The sanction accorded by the Government of India is registered as No. 80 I. of 1900-1901 and will expire on the 31st March 1901.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ the Superintending Engineer, I Circle,
with eleven enclosures.
„ the Examiner of Public Works Accounts.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. } *Spare copies*

G.O., Nos. 715, 716 I., 27th August 1900.

AUGUST.

Chunnambur Offtake, Periyar Project

Forwarding copy of Proceedings sanctioning the estimate, amounting to Rs. 3,440, for constructing sluices and excavating field channels in —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From the Superintending Engineer, VI Circle, dated 26th July 1900, No. 866 M.D.

Enclosures.

Report to accompany the estimate for constructing sluices and excavating field channels in Chunnambur offtake, 10th Branch channel.

	RS.
Amount of estimate	2,915

The estimate provides for the construction of the sluices noted on the accompanying tracing. Provision is made for excavating seven field channels irrigating blocks of 50 acres and upwards. They are designed to run in 2 feet cutting, the banks being 3 feet above the bed with a bottom width of 2 feet and a bed fall of 1 in a 1,000. None of the channels will be maintained by Government. The work will be executed in accordance with the current depармental standard specifications.

13th April 1900.

(Signed) H. T. KEELING,
Ex. Engr., Madura Division.

Estimate Form—Abstract—Classified.

Sub-head.	Names of works.	Amount of estimate for individual work.	Total of sub-heads.	Total for each canal or distributary.	Total of each main head.
1	2	3	4	5	6
	CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.	RS.	RS.	RS.	
	49. Irrigation.				
	Periyár Project.				
	Open Capital Account.				
	3. Distributaries.				
	Chunnambur Offtake.				
	10th Branch Channel.				
	Remunerative, Works.				
	Constructing sluices and excavating field channels.				
2. Lands ..	1. Compensation for land	645			
3. Works ..	2. Nine 6-inch pipe sluices, each Rs. 50	450	645		
	3. Three 9-inch pipe sluices, each Rs. 90	270			
	4. One 12-inch pipe sluice	100			
	5. One masonry sluice	112			
	6. Five 6-inch pipe sluices, each Rs. 49	245			
	7. Three 9-inch pipe sluices, each Rs. 84	252			
	8. Two 12-inch pipe sluices, each Rs. 94	188			
	9. One masonry sluice 1′ × 1′	100			
4. Earthwork ..	10. Excavating field channels	513	1,717		
5. Miscellaneous.	11. Demarcation stones	40	513		
	Total, I. Works	..	40		
	II. Establishment ..	..	..	2,915	
	III. Tools and plant ..	..	..	522	
				3	
	Total Estimate ..	..	..	3,440	

26th July 1900.

(Signed) O. V. BODDY, Colonel, R.E.,
Supg. Engineer, VI Circle.

No. 166 I.

Note by the Chief Engineer for Irrigation.

The acccompanying estimate of Rs. 2,915 submitted by the Superintending Engineer, VI Circle, provides for constructing sluices and excavating field channels in Chunnambur offtake, 10th Branch channel, Periyár project. The field channels are intended to irrigate 338 acres of dry, 481 acres of waste, and 123 acres of irrigable tankbed lands, from which a revenue of Rs. 8,942 is anticipated. The estimate may be sanctioned.

2. The work is classed as "remunerative" and will probably be completed by the 31st March 1901.

9th August 1900.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. 715 I., dated 27th August 1900.

The estimate amounting to Rs. 2,915, or Rs. 3,440 including establishment and tools and plant, for constructing sluices and excavating field channels in Chunnambur offtake, 10th Branch channel, Periyár project, is sanctioned.

2. This sanction is registered as No. 81 I. of 1900–1901, and will expire on the 31st March 1901.

3. Ordered that a copy of the Proceedings be forwarded to the Government of India for information.

[Here enter No. 716 I., dated 27th August 1900.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, VI Circle, with 15 enclosures.
„ Examiner of Public Works Accounts.

ENDORSEMENT—No. 716 I., dated 27th August 1900.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd.	} 1900.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 717 I., 28th August 1900.

AUGUST.

Papanasam Reservoir Project, Tinnevelly District

The revised estimate of Rs. 3,900 for preliminary expenses for the investigation of the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From the Superintending Engineer, VI Circle, dated 26th July 1900, No. 526 T.N

No. 169 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, VI Circle, submits the accompanying revised estimate of Rs. 3,900 for preliminary expenses for the investigation of the Pápanásam Reservoir project in the Tinnevelly district, involving an excess of Rs. 1,600 over the sanction accorded in G.O., No. 507 I., dated 2nd July 1898. The excess is reported to be chiefly due to the total length of the lines requiring jungle clearance, which was originally estimated at 103 miles, having been found to be 123 miles, and to cross sections being taken at intervals of one furlong instead of 2 furlongs, with reference to paragraph 3 of the note by the undersigned printed with the Government Order quoted above, and to provision for petty supervision having been increased to allow of a maistry being employed on jungle clearance. The revised estimate may be sanctioned.

2. The two proposition statements submitted by the Superintending Engineer for the continued employment of one surveyor and eight lascars up to the end of 1900-1901 have been forwarded to the Chief Engineer, Public Works Department, for the necessary sanction.

15th August 1900.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

Order—No. 717 I., dated 28th August 1900.

The following revised estimate is sanctioned, in supersession of the estimate of Rs. 2,300 sanctioned in G.O., No. 507 I., dated 2nd July 1898 :—

Provincial.
Irrigation.
43. Minor Works and Navigation.
Class IV.
Other Minor Works for which neither Capital nor Revenue nor Individual accounts are kept.
(a) In charge of the Public Works Department.
Tinnevelly Division.
Original Works.
Preliminary expenses for investigating the Pápanásam Reservoir Project.

	RS.
Estimate	3,900

2. This sanction is registered as No. 82 I. of 1900–1901.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, VI Circle,
with 13 enclosures.
„ Examiner of Public Works Accounts.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd. } 1900. *Enclosures*

Regd. } *Spare copies*

G.O., Nos. 725, 726 I., 30th August 1900.

AUGUST.

Perali Drain in the Kistna Western Delta

Forwarding copy of Proceedings in connection with the construction of a railway bridge over the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From O. C. LEES, Esq., Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Joint Secretary to the Government of Madras, Public Works Department, Irrigation Branch, dated Simla, 20th June 1900, No. 678 C.W.I.

I am directed to acknowledge the receipt of the Proceedings of the Government of Madras, No. 507 I., dated the 2nd June 1900, and, in reply, to say that the Government of India sanction the estimate, forwarded therewith, amounting to Rs. 30,100, including establishment and tools and plant charges, of the cost of constructing a railway bridge over the Perali drain in the Kistna Western delta, Kistna delta system. I am to ask that the classification of the work and the date assigned for its completion may be reported for the information of the Government of India (*vide* rules in paragraph 35 (i) and (vi), Chapter V, Public Works Department Code, Volume II).

2. With regard to the incidence of the cost, I am to invite your attention to the orders of the Government of India contained in Public Works Department Circular, No. V, Railway, dated the 20th March 1885, and to say that the question should be settled in accordance with those orders.

3. The sanction accorded in paragraph 1 has been registered as No. 4 I. of 1900–1901, and the plan and estimate forwarded with the Proceedings of the Government of Madras are returned herewith.

Memorandum to the Superintending Engineer, II Circle, dated 6th July 1900, No. II./67 K. S.

With reference to paragraph 2 of the enclosed copy of letter No. 678 C.W.I., dated 20th June 1900, from the Government of India, the Superintending Engineer, II Circle, is requested to be so good as to report as soon as possible when the Gazette notification for the acquisition of land for the Perali drain appeared.

2. A copy of the Government of India Circular No. V, Railway, dated 20th March 1885, is enclosed for information.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

Memorandum to the Engineer-in-Chief, East Coast Railway, dated 6th July 1900, No. 178 M.

With reference to paragraph 2 of the enclosed copy of letter, No. 678 C.W.I., dated 20th June 1900, from the Government of India, I have the honour to request that you will be so good as to let me know as soon as possible when the Gazette notification for the acquisition of land for the railway appeared.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

From the Engineer-in-Chief, East Coast Railway, to the Chief Engineer for Irrigation, dated Waltair, 14th July 1900, No. 4196.

Perali Drain.

With reference to your No. 178 M., dated 6th instant, I have the honour to state that the first notification for acquisition of land for Bezwada-Madras Railway appeared in the *Fort St. George Gazette*, Part I, page 562, notification No. 15, dated 16th May 1895.

From J. M. LACEY, Esq., Executive Engineer, Kistna Western Division, to the Superintending Engineer, II Circle, dated 24th July 1900, No. 187 S.

In returning the enclosures received with your endorsement No. 152 K.W., dated 14th July 1900, I have the honour to report that the notifications for the acquisition of land for the Perali drain appeared in the *Fort St. George Gazettes* noted below :—

For land in Bápatla village, Bápatla taluk—Gazette, dated 13th April 1897, Part I, page 514.

For land in Maruprolu village, Valapalem taluk—Gazette, dated 20th July 1897, Part I, page 910.

2. No notifications appeared as regards land taken up in Adivi, Kankatapolem and Marlikondapad villages—it being Government land and was handed over free of cost.

No. 114 I.

Forwarded to the Chief Engineer for Irrigation, with reference to his No. II./67 K.S., dated 6th July 1900.

(Signed) J. HANNAN,
Supg. Engineer, II Circle.

28th July 1900.

No. 168 I.

Note by the Chief Engineer for Irrigation.

In G.O., No. 507 I., dated 2nd June 1900, the Government of India was requested to sanction an estimate of Rs. 30,100 * for constructing a railway bridge over the Perali drain in the Kistna Western delta and to decide whether the cost of the bridge should be charged to Irrigation or Railway funds. In sanctioning the estimate, the Government of India states that the question of the incidence of cost should be settled in accordance with its circular No. V, Railway, dated 20th March 1885, which states that priority of occupation should govern the incidence of cost and that the date of a notification in the Gazette regarding the acquisition of land for a project provides a desirable definite date on which to fix the priority. The notification for the acquisition of land required for the Railway having appeared in the *Fort St. George Gazettes* at various dates in 1895 and 1896, and the notifications for the drain in the Gazettes of the 13th April and 20th July 1897, the Railway has the priority of occupation. The cost of the proposed bridge should therefore be charged to Irrigation funds against the Open Capital account of the Kistna delta system.

* Including establishment and tools and plant charges.

2. The work is classed as "unremunerative" and will probably be completed by the 31st March 1902.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

11th August 1900.

ORDER—No. 725 I., dated 30th August 1900.

Capital expenditure not charged to Revenue.
49. Irrigation.
Kistna Delta System.
Western Section.
Open Capital Account.
(4) Drainage and Protective Works.
3. Works.
Unremunerative Works.
Perali Drain.
Constructing a Railway bridge.

		RS.
Estimate—		
I. Works	.. ..	24,450
II. Establishment	.. .. ..	5,623
III. Tools and plant	.. .. ..	27
	Total ..	30,100

Communicated to the officers concerned for information.

2. The sanction accorded in the foregoing letter from the Government of India is registered as No. 83 I. of 1900–1901, and classified as shown in the margin. This sanction will expire on the 31st March 1902.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 726 I., dated 30th August 1900.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, II Circle, with two enclosures.
„ Examiner of Public Works Accounts.
„ Consulting Engineer for Railways.

ENDORSEMENT—No. 726 I., dated 30th August 1900.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

IRRIGATION.
ACCOUNT.

Government {1900} of Madras.

PUBLIC WORKS.

Recd.	1900.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 733 I., 31st August 1900.

AUGUST.

Head Sluice to Puvendram Channel, Cauvery Section

Letter from the Government of India sanctioning an estimate, amounting to Rs. 3,240, for constructing a new —, and suggesting to charge it to the Revenue Account of the Cauvery delta system, communicated to the officers concerned, with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From O. C. LEES, Esq., Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Joint Secretary to the Government of Madras, Public Works Department, Irrigation Branch, dated Simla, 3rd August 1900, No. 849 C.W.I.

I am directed to acknowledge the receipt of the Proceedings of the Government of Madras, No. 542 I. of the 21st June 1900, sanctioning an estimate, amounting to Rs. 3,240, including establishment and tools and plant charges, for constructing a new head sluice to Puvendram channel, Cauvery section, chargeable against the Open Capital Account of the Cauvery delta system.

2. With reference thereto, I am to suggest that, as the net charge to Capital on account of the new head sluice to Puvendram channel will be less than Rs. 1,000 after deducting the amount of contributions and the share to be written back to Revenue, the estimate sanctioned by the Local Government may be charged to the Revenue Account of the Cauvery delta system, which will be in accordance with the present practice in the case of new minor works on Railways—*vide* Public Works Department Circular, No. VIII Railway of 8th May 1900. I am to say that the rule in paragraph 37, Chapter V, Public Works Department Code, Volume II, will be altered to make the point clear.

Circular from the Government of India, dated 8th May 1900, No. VIII Railway.

ORDER—No. 733 I., dated 31st August 1900.

Communicated to the officers concerned.

2. With reference to paragraph 2 of the foregoing letter from the Government of India, the estimate sanctioned in G.O., No. 542 I., dated 21st June 1900, is resanctioned against the Revenue Account of the Cauvery delta system, and classified as shown below, Rs. 1,212 of the proposed outlay being contributed by the ryots interested in the execution of the work :—

Imperial.
Irrigation.
42. Major Works (Working Expenses).
Cauvery Delta System.
Cauvery Section.
Extensions and Improvements.
(3) Distributaries.
(2) Works.
Constructing a new Head sluice to Puvendram Channel.

	RS.
Estimate	2,630

2. This sanction is registered as No. 84 I. of 1900-1901, and supersedes the sanction previously accorded.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ the Superintending Engineer, V Circle.
„ the Examiner of Public Works Accounts.
„ other Superintending Engineers, with copy of G.O., No. 542 I.,
dated 21st June 1900.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

TABULAR STATEMENT OF MISCELLANEOUS PROCEEDINGS AND MATTERS OF ROUTINE,

IRRIGATION,

FOR THE MONTH OF AUGUST 1900.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Suit.—Proceedings, Board of Revenue, sanctioning the defence of the — brought by one Nemani Adinarayana for the recovery of damages for the loss of certain plantain trees caused by the Public Works Department, recorded.	1st Aug. 1900, No. 635 I.	......
Land.—Notification for the acquisition of — required for the diversion of the Salagam branch channel, Palkonda taluk, Vizagapatam district, ordered to be published in the *Fort St. George Gazette.*	3rd do. do. No. 636 I.	......
Land.—Notification for the acquisition of — required for the excavation of a new head to the Chilakalmaddikattu channel, Golgonda taluk, Vizagapatam district, ordered to be published in the *Fort St. George Gazette.*	4th do. do. No. 639 I.	......
Funds.—Sanctioning certain transfer of — under 43. Minor Works and Navigation, South Arcot division.	4th do. do. No. 640 I.	......
Iron pipe sluice at the Kalingaroyen channel, Coimbatore division.—The execution, by the Public Works Department, of the work of constructing an —, sanctioned.	4th do. do. No. 641 I.	......
Irrigation.—Proceedings, Revenue Department, directing the Board of Revenue to issue instructions that spouts in the Gódávari delta for drawing off water to the fields should not be registered in the names of the ryots whose fields they first supply, and stating that it is unnecessary to specify in the Settlement Registers the sluices intended to supply fields from distributary channels, communicated to the officers concerned.	4th do. do. No. 642 I.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Objectionable Items.—Orders on the statement of —, in the supplemental accounts of Executive Engineers remaining unremedied to end of March 1900, III Circle.	4th Aug. 1900, No. 643 I.	21st June 1900, No. 545 I. 18th May 1900, No. 465 I. & file.
Land.—Notification for the acquisition of — required for the repairs of the channel banks of the Gogulapalli branch channel, Nellore taluk, Nellore district, ordered to be published in the *Fort St. George Gazette.*	6th do. do. No. 645 I.	......
Land.—Notification for the acquisition of — required for the excavation of the Ambapura channel, Berhampur taluk, Ganjám district, ordered to be published in the *Fort St. George Gazette.*	6th do. do. No. 646 I.	......
Land.—Notification for the acquisition of — required for the diversion of the Gavabulagedda channel, Chicacole taluk, Ganjám division, ordered to be published in the *Fort St. George Gazette.*	6th do. do. No. 647 I.	......
Land.—Notification for the acquisition of — required for diverting Gowtami right bank on to the main canal bank, Amalapur taluk, Gódávari district, ordered to be published in the *Fort St. George Gazette.*	6th do. do. No. 648 I.	......
Land.—Notification for the acquisition of — required for the construction of the Mukkondam dam, Vriddhachalam anicut system, Chidambaram taluk, South Arcot district, ordered to be published in the *Fort St. George Gazette.*	6th do do. No. 649 I.	......
Objectionable Items.—Orders on the statement of — in the accounts of Executive Engineers remaining unremedied to end of March 1900 (supplemental), IV Circle.	6th do. do. No. 650 I.	14th June 1900, No. 528 I. & file.
Minor Irrigation Works.—Proceedings, Revenue Department, recording Board's Proceedings submitting report on the expenditure on the up-keep of — during 1899-1900, communicated to the officers concerned.	9th do. do. No. 656 I.	......
Thiruvandipuram Anicut, South Arcot.—Ordered that the unrealized portion, amounting to Rupees 254-6-6, of the contribution towards the maintenance of the — be waived.	9th do. do. No. 657 I.	6th July 1898, R. No. 325 I. 5th Sept. 1898, R. No. 410 I.
Ogalur tank in the Trichinopoly Division.—Ordered that the sanction accorded for the execution of the contribution work of repairing the — be cancelled.	11th do. do. No. 658 I.	......
Land.—Notification for the acquisition of — required for the surplus watercourse of Manalur channel, Sankaranainarcoil taluk, Tinnevelly district, ordered to be published in the *Fort St. George Gazette.*	11th do. do. No. 659 I.	......
Land.—Notification for the acquisition of — required for extending the bund of Manalur tank, Sankaranainarcoil taluk, Tinnevelly district, ordered to be published in the *Fort St. George Gazette.*	11th do. do. No. 660 I.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Funds.—Sanctioning certain transfer of — under 43. Minor Works and Navigation, III and VI Circles.	11th Aug. 1900, No. 662 I.	......
Land.—Notification for the acquisition of — required for Ipur Branch Channel in Anantavaram village, Tenali taluk, Kistna district, ordered to be published in the *Fort St. George Gazette.*	13th do. do. No. 667 I.	......
Land.—Notification for the acquisition of — required for extending Undur Punta channel, Yandamur village, Ramachandrapur taluk, Gódávari district, ordered to be published in the *Fort St. George Gazette.*	13th do. do. No. 668 I.	......
Land.—Notification for the acquisition of — required for repairs to Pekeru channel, Bank canal, Tanuku taluk, Gódávari district, ordered to be published in the *Fort St. George Gazette.*	13th do. do. No. 669 I.	......
Land.—Directing the Tahsildar of Ramachandrapur to procure the occupation and use of — required for extending Undur Punta channel, branch of Yandamur channel, Gódávari district, for the necessary period not exceeding three years.	14th do. do. No. 670 I.	......
Land.—Notification for the acquisition of — required for excavating a channel in the Poondy village, Walajah taluk, North Arcot district, ordered to be published in the *Fort St. George Gazette.*	14th do. do. No. 671 I.	12th May 1900, No. 452 I.
Land.—Notification for the acquisition of — required for excavating the Porumamilla tank supply channel, Badvel taluk, Cuddapah district, ordered to be published in the *Fort St. George Gazette.*	14th do. do. No. 672 I.	......
Land statement.—Letter from the Superintending Engineer, I Circle, returning for correction certain — in connection with the land occupied in field No. 412 of Doddipatta, communicated to the Collector of Gódávari.	14th do. do. No. 673 I.	......
Kurnool-Cuddapah canal.—Proceedings, Revenue Department, approving with remarks, the scheme for putting the — and the Southern Mahratta Railway in closer contact at Nandyal by means of a wharf and railway siding, and stating that the Government of Bombay will be addressed for the co-operation and approval of the Southern Mahratta Railway Administration to the project, communicated to the Superintending Engineer, III Circle, with remarks.	14th do. do. No. 674 I.	12th Oct. 1899, No. 858 I. 12th June 1899, Nos. 481–82 I. & file.
Unanswered references of the III Circle.—Ordered that the Minor Duvalair project be removed from the list of —.	14th do. do. No. 675 I.	......
Land.—Notification for the acquisition of — required for the first Superpassage XI Reach, Periyár main channel, Melur taluk, Madura district, ordered to be published in the *Fort St. George Gazette.*	14th do. do. No. 676 I.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Expenditure.—Authorizing the Examiner, Public Works Accounts, to pass the excess outlay of Rs. 1,525 over the grant for Lower Coleroon Anicut System under Capital Account.	14th Aug. 1900, No. 677 I.	......
Grant.—Telegram from the Government of India sanctioning an additional — of Rs. 61,100 under "49" required for sanctioned works, Cauvery Delta System, communicated to the officers concerned.	14th do. do. No. 678 I.	......
Irrigation dispute.—Proceedings, Revenue Department, passing orders on papers relating to an — between the ryots of Bhirangi village in the Madanapalle taluk, Cuddapah district, and of Jodi Katanguntlapalle village in Mysore in connection with a stream, communicated to the officers concerned.	14th do. do. No. 679 I.	......
Cauvery Irrigation (*Confidential*).—Regarding the question of further investigation of reservoir schemes in connection with the —.	15th do. do. No. 680 I.	......
Mungapaka and Chintamani calingulahs.—The execution, by the Public Works Department, of the work of improving the —, sanctioned.	15th do. do. No. 681 I.	......
Land.—Notification for the acquisition of — required for Appapuram side channel, Gudivâda taluk, Kistna district, ordered to be published in the *Fort St. George Gazette.*	16th do. do. No. 683 I.	......
Rainfall in the Cauvery basin.—Ordered that a letter be sent to the Honourable the Resident in Mysore, requesting him to arrange with the Director of the Meteorological Department, Mysore, to send to the Executive Engineer, Tanjore division, warnings of very heavy — especially during April, May and June for the next three years.	16th do. do. No. 685 I.	......
Letter to the Honourable the Resident in Mysore.	16th do. do. No. 686 I.	......
Funds.—Proceedings, Revenue Department, sanctioning the estimates for repairs to certain channels under the Irrigation Cess Fund, in the Coimbatore district, communicated to the officers concerned.	16th do. do. No. 687 I.	......
Objectionable Items.—Orders on the statement of — in the accounts of Executive Engineers remaining unremedied to end of March 1900 (Supplemental), VI Circle.	20th do. do. No. 690 I.	26th June 1900, No. 552 I.
Land.—Notification for the acquisition of — required for the right flood bank of Thiruvendipuram anicut, Cuddalore taluk, South Arcot district, ordered to be published in the *Fort St. George Gazette.*	20th do. do. No. 691 I.	......
Cauvery falls at Sivasamudram.—Scheme for utilising the power of the — for the generation of electricity, communicated to the officers concerned.	20th do. do. No. 692 I.	15th June 1900, No. 531 I. 23rd Feb. 1900, No. 487 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Minor Irrigation Works.—Proceedings, Board of Revenue (Revenue Settlement), reviewing statements showing expenditure on — for the quarter ending 30th June 1900, recorded.	20th Aug. 1900, No. 693 I.	19th July 1900, No. 607 I. 7th March 1900, No. 239 I. 19th Dec. 1899, No. 1080 I. 26th Feb. 1900, No. 204 I.
Objectionable Items.—Orders on the statement of — in the accounts of Executive Engineers remaining unremedied to end of March 1900 (Supplemental), V Circle.	20th do. do. No. 694 I.	26th June 1900, No. 551 I.
Land.—Notification for the acquisition of — required for raising and strengthening the right bank of the Kistna river, Guntúr taluk, Kistna district, ordered to be published in the *Fort St. George Gazette.*	20th do. do. No. 695 I.	......
Objectionable Items.—Orders on the statement of — in the accounts of Executive Engineers remaining unremedied to end of April 1900, IV Circle.	21st do do. No. 696 I.	6th Aug. 1900, No. 650 I. 14th June 1900, No. 528 I.
Land.—Notification for the acquisition of — required for raising and strengthening the right bank of the Kistna river from head to terminus, Guntúr taluk, Kistna district, ordered to be published in the *Fort St. George Gazette.*	21st do. do, No. 698 I.	10th Feb. 1900, No. 156 I.
Land.—Notification for the acquisition of — required for raising and strengthening the right bank of the Kistna river, Guntúr taluk, Kistna district, ordered to be published in the *Fort St. George Gazette.*	21st do. do. No. 699 I.	12th Jan. 1899, No. 73 I.
Land.—Notification for the acquisition of — required for spoil bank in connection with the Bank canal, Amalapur taluk, Gódávari district, ordered to be published in the *Fort St. George Gazette.*	21st do. do. No. 700 I.	......
Excess Expenditure.—Authorizing the Examiner of Public Works Accounts to pass the — referred to in the supplemental objectionable items statement of Tanjore division for March 1900.	21st do. do. No. 701 I.	......
Objectionable Items.—Orders on the statement of — in the accounts of Executive Engineers remaining unremedied to end of April 1900, V Circle.	21st do. do. No. 702 I.	15th Feb. 1900, No. 189 I. 18th May 1900, No. 462 I. 18th April 1900, No. 379 I. & file.
Nallacheruvu of Surabu, Cuddapah Division.—Re-sanctioning the estimate of Rs. 10,500 for — under 33. Famine Relief.	23rd do. do. No. 703 I.	......
Funds.—Sanctioning certain transfers of — under 43. Minor Works and Navigation, Tinnevelly division.	23rd do. do. No. 705 I.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Lands.— Ordered that a notification be published in the *Fort St. George Gazette* withdrawing the acquisition of — taken up for the Periyár project.	23rd Aug. 1900, No. 709 I.	19th Feb. 1897, No. 174 I. 7th Oct. 1896, No. 808 I & file.
Land.—Notification for the acquisition of — required for the diversion of the Old Coleroon, Chidambaram taluk, South Arcot district, ordered to be published in the *Fort St. George Gazette.*	24th do. do. No. 711 I.	......
Land.—Notification for the acquisition of — required for Brahmana Ghayi of Bhapore, Berhampur taluk, Ganjám district, ordered to be published in the *Fort St. George Gazette.*	27th do. do. No. 712 I.	......
Land.—Notification for the acquisition of — required for repairing Inapuram channel, Amalapur taluk, Gódávari district, ordered to be published in the *Fort St. George Gazette.*	27th do. do. No. 713 I.	......
Land.—Notification for the acquisition of — required for diverting Gowtami right bank on to main canal bank, Amalapur taluk, Gódávari district, ordered to be published in the *Fort St. George Gazette.*	27th do. do. No. 714 I.	......
Land.—Directing the Deputy Collector of Chidambaram, South Arcot district, to procure the temporary occupation and use of the — required in connection with the improvement of Vriddhachalam anicut.	28th do. do. No. 718 I.	......
Land.—Notification for the acquisition of — required for No. 2 undertunnel proposed to be built in place of the revised aqueduct, Chittigedda drain, Nagarikalakam channel system, Ganjám district, ordered to be published in the *Fort St. George Gazette.*	28th do. do. No. 719 I.	......
Land.—Notification for the acquisition of — required for improving the Vriddhachalam anicut, South Arcot district, ordered to be published in the *Fort St. George Gazette.*	28th do. do. No. 720 I.	......
Administration Report of the Public Works Department, Irrigation Branch.—Ordered that a letter be sent to the Government of Bengal forwarding two copies of the —, Madras Presidency, for 1898–99.	28th do. do. No. 721 I.	......
Letter to the Government of Bengal	28th do. do. No. 722 I.	......
Objectionable Items.—Orders on the statement of — in the accounts of Executive Engineers remaining unremedied to end of April 1900, I Circle.	29th do. do. No. 723 I.	......
Land.—Notification for the acquisition of — required for excavating Konallapudi drain, Bandar taluk, Kistna district, ordered to be published in the *Fort St. George Gazette.*	30th do. 1900, No. 724 I.	......
Funds.—Proceedings, Financial Department, sanctioning the transfer to "43. Minor Works and Navigation" of a sum of Rs. 450 from the provision of Rs. 7,000 for the Coimbatore district under "45. Civil Works Repairs", communicated to the officers concerned.	31st do. do. No. 727 I.	16th Aug. 1900, No. 687 I.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Funds.—Sanctioning certain transfer of — under 43. Minor Works and Navigation in the IV Circle.	31st Aug. 1900, No. 728 I.	......
Objectionable Items.—Orders on the statement of — in the accounts of Executive Engineers remaining unremedied to end of March 1900 (supplemental), I Circle.	31st do. do. No. 729 I.	6th July 1900, No. 579 I. 18th May 1900, No. 466 I. 9th April 1900, No. 358 I. & file.
Objectionable Items.—Orders on the statement of — in the accounts of Executive Engineers remaining unremedied to end of April 1900 (supplemental), III Circle.	31st do. do. No. 730 I.	4th Aug. 1900, No. 643 I. 21st June 1900, No. 545 I. 18th May 1900, No. 465 I. & file.
Objectionable Items.—Orders on the statement of — in the accounts of Executive Engineers remaining unremedied to end of April 1900, VI Circle.	31st do. do. No. 731 I.	20th Aug. 1900, No. 690 I. 26th June 1900, No. 552 I. 18th May 1900, No. 463 I. & file.
Land.—Notification for the acquisition of — required for excavating Tsundur left branch, Tungabhadra side channel, Tenali taluk, Kistna district, ordered to be published in the *Fort St. George Gazette.*	31st do. do. No. 732 I.	......
Land statement.—Letter from the Collector of Gódávari stating that there is no necessity to make any corrections in the — connected with the raising of Vasista Gódávari right bank from the anicut to Chinchivadu ferry, communicated to the Superintending Engineer, I Circle.	31st do. do. No. 734 I.	14th Aug. 1900, No. 673 I. 21st June 1900, No. 544 I. 11th Dec. 1899, No. 1043 I.
Land.—Notification for the acquisition of — required for the new Allavaram aqueduct, Amalápur taluk, Gódávari district, ordered to be published in the *Fort St. George Gazette.*	31st do. do. No. 735 I.	......
Land.—Notification for the acquisition of — required for closing breaches in Khán Sahib's canal, Chidambaram taluk, South Arcot district, ordered to be published in the *Fort St. George Gazette.*	31st do. do. No. 736 I.	......
Land.—Notification for the acquisition of — required for the new Allavaram aqueduct, Amalápur taluk, Gódávari district, ordered to be published in the *Fort St. George Gazette.*	31st do. do. No. 737 I.	......
Land.—Notification for the acquisition of — required for the new Allavaram aqueduct, Amalapur taluk, Gódávari district, ordered to be published in the *Fort St. George Gazette.*	31st do. do. No. 738 I.	......
Works in connection with the Cauvery Delta System.—Letter from the Government of India requesting that no expenditure may be incurred on additional — without the sanction of the Government of India when necessary, communicated to the officers concerned, with remarks.	31st do. do. No. 739 I.	......